FIG. 1. BEADS OF AGATE.

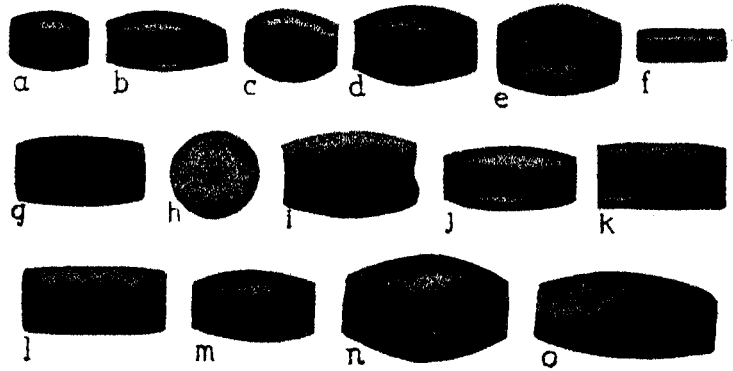
FIG. 2. BERDS OF CARNELIAN.

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FIG. 4. ETCHED CARNELIAN BEADS.

FIG. 5.
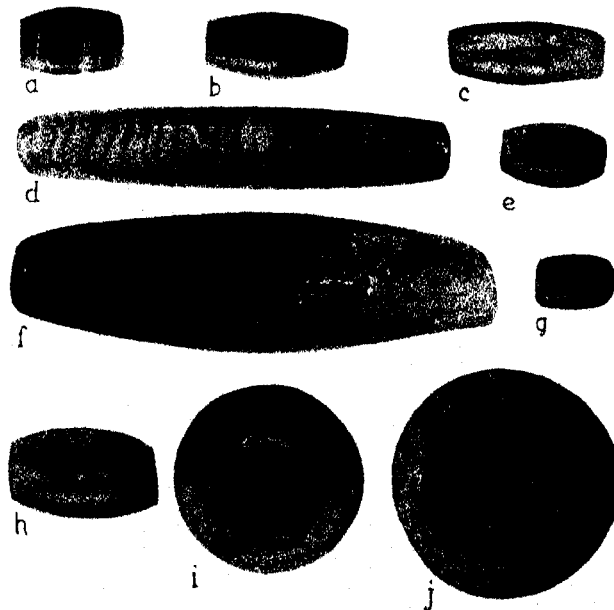
FIG. 6. BEADS OF LIMESTONE & STALAGMITE.
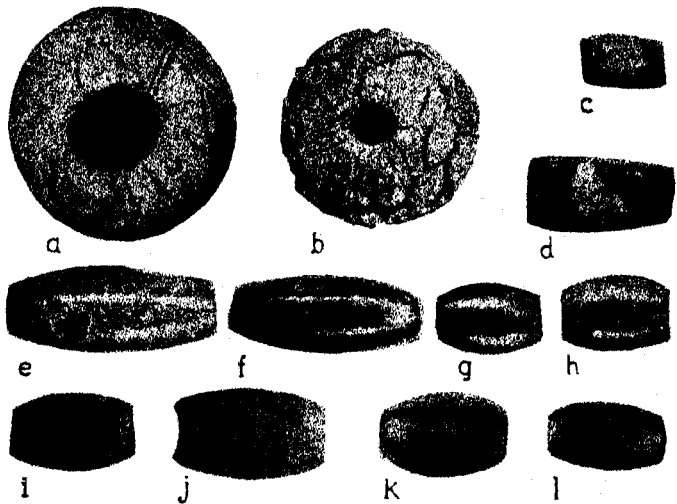
FIG. 7. BEADS OF SUNDRY STONES. *a* & *b.* MARBLE, *c.* CALCITE, *d.* HORNBLENDE, *e—g.* SERPENTINE, *h.* DIORITE, *i* & *j*, LAPIS, *k* & *l.* JADEITE.
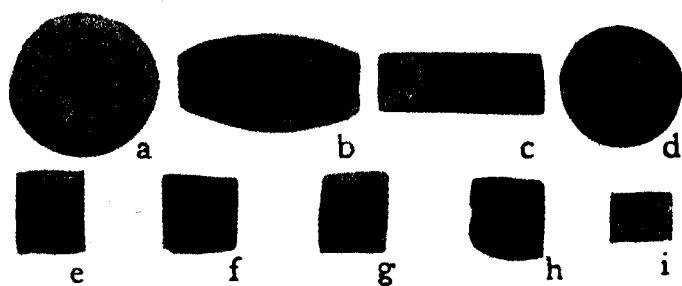
FIG. 1. BEADS OF NATURAL STEATITE.
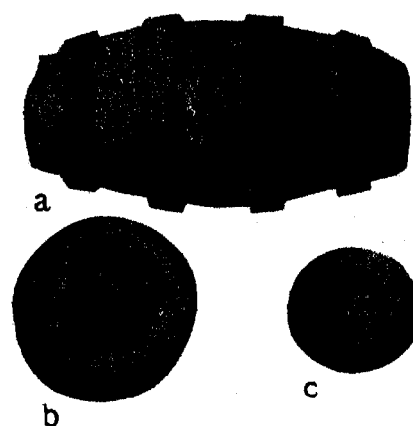
FIG. 2. ZONE BEADS OF BURNT STEATITE.
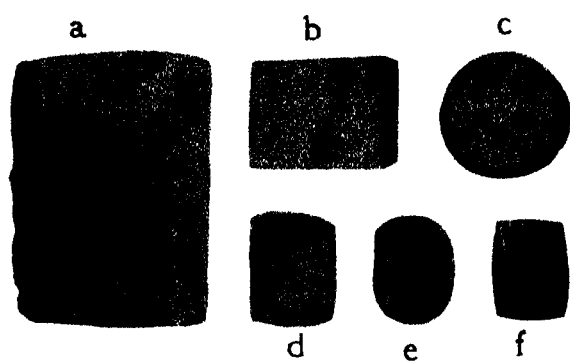
FIG. 1. SPACING BEADS OF BURNT STEATITE.
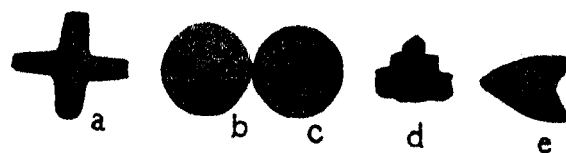
FIG. 4. CROSS, STEP & TOOTH BEADS OF BURNT STEATITE.
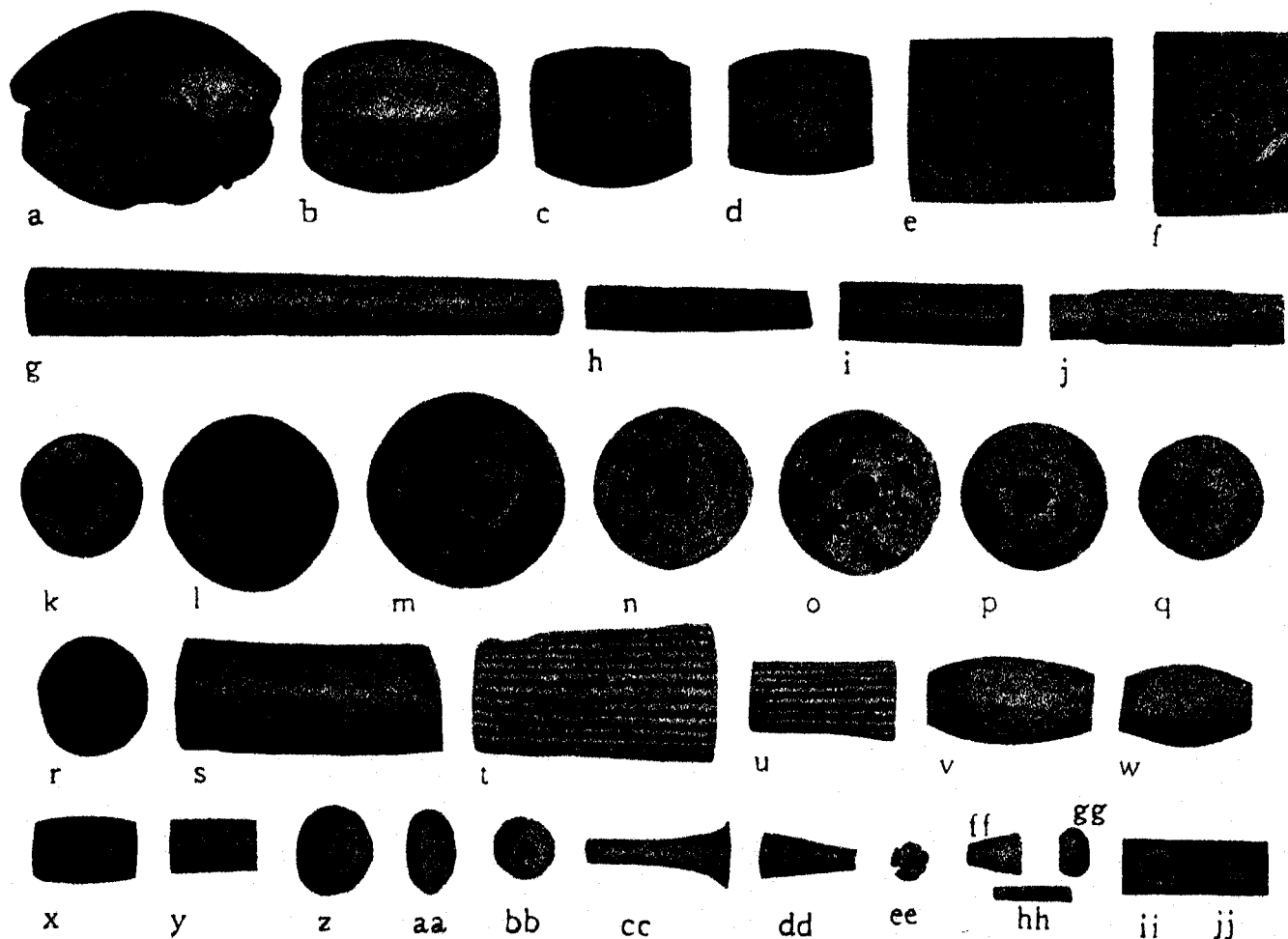
FIG. 5. BEADS OF BURNT STEATITE.

EXCAVATIONS AT HARAPPĀ

BEING AN ACCOUNT OF ARCHÆOLOGICAL EXCAVATIONS AT HARAPPĀ CARRIED OUT BETWEEN THE YEARS 1920-21 AND 1933-34

BY

MADHO SARUP VATS, M.A.,

Deputy Director-General of Archæology in India

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Volume II.—139 Plates

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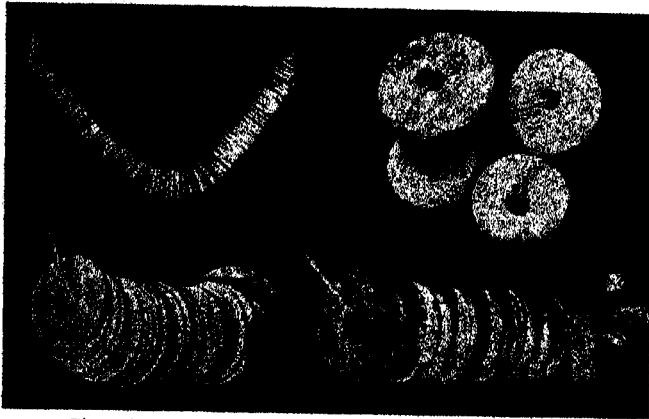


FIG. 1. DISC BEADS OF "BURNT" STEATITE.

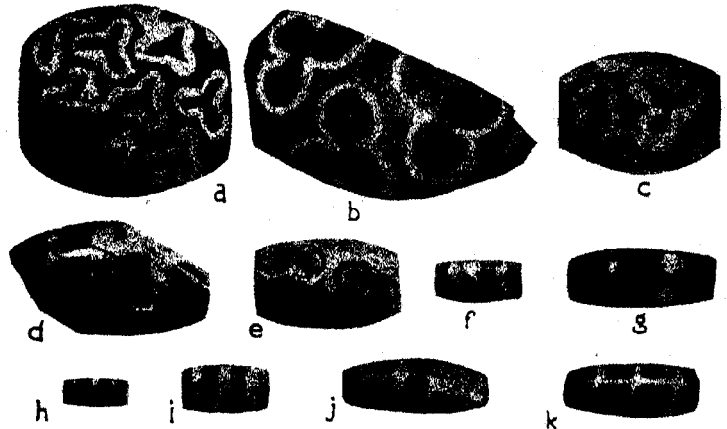



FIG. 2. PAINTED STEATITE BEADS.

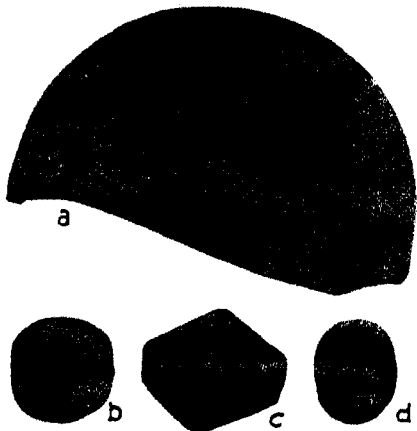



FIG. 3. FAIENCE SPACING BEADS WITH MIDDLE RIB.

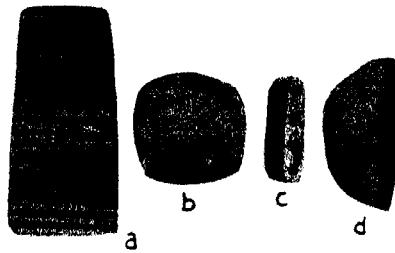



FIG. 4. FAIENCE SPACING BEADS.

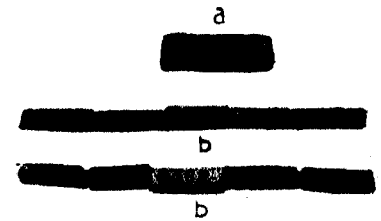



FIG. 5. BLACK FAIENCE BEADS.

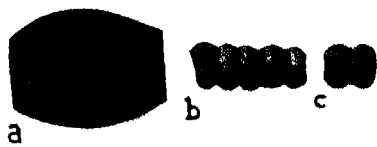



FIG. 6. WHITE FAIENCE BEADS.

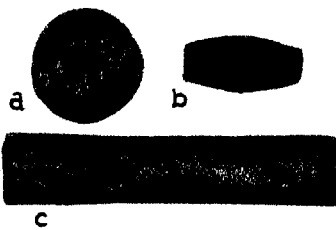



FIG. 7. YELLOW FAIENCE BEADS.

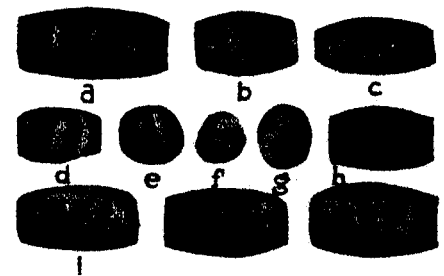



FIG. 8. VARIEGATED FAIENCE BEADS.

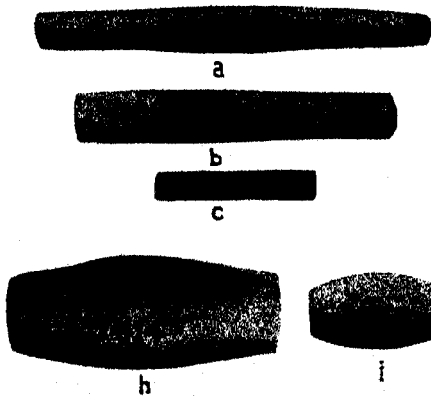
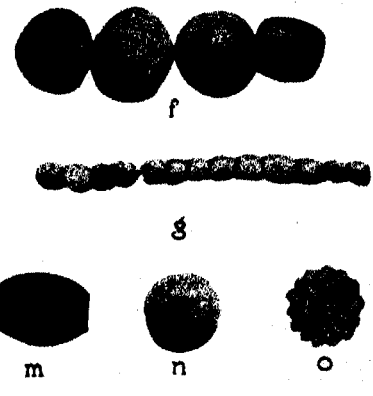



FIG. 9. FAIENCE BEADS—MOSTLY BLUE OR GREEN.

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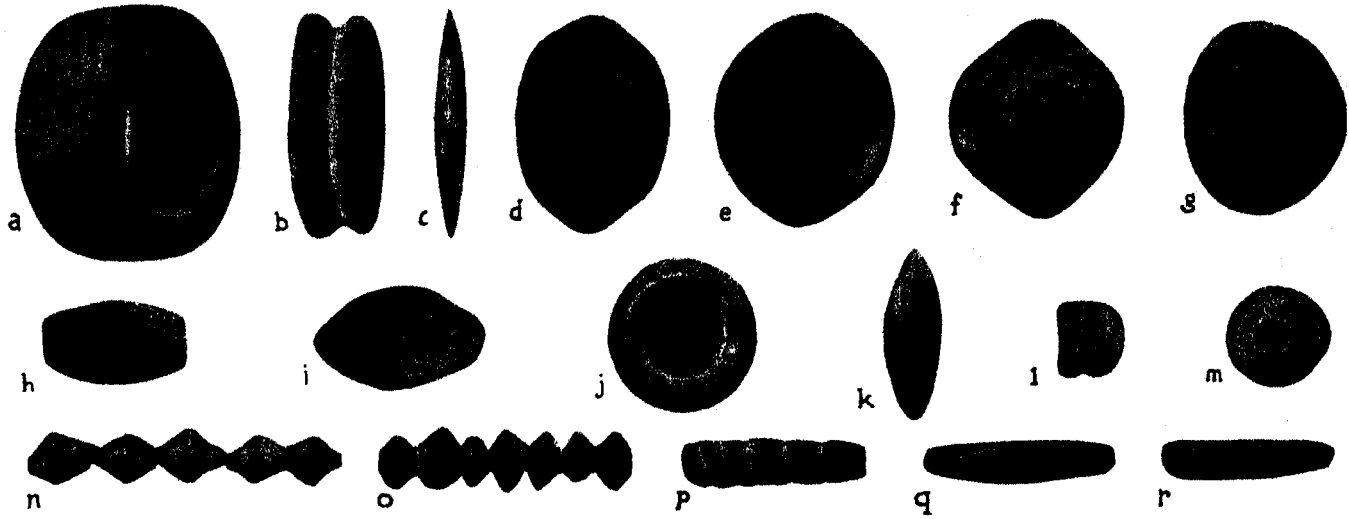
FIG. 1. BEADS OF TERRACOTTA OR POTTERY.

FIG. 2. BEADS OF SHELL.

FIG. 3. ZONE BEAD IVORY.

FIG. 4. SHELL INLAY FROM UR.

FIG. 5. COPPER BEADS
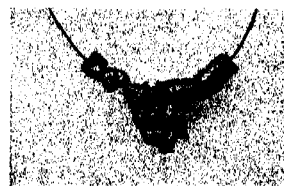
FIG. 6. SILVER BEADS.
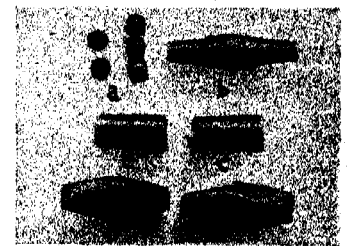
FIG. 7. GOLD BEADS.

FIG. 8. SMALL STEATITE BEADS ×4.
a, c HARAPPA
b UR.

FIG. 9. × 1/1.
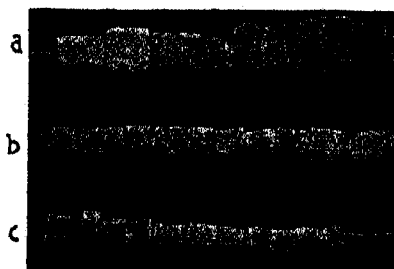
FIG. 10. SMALL STEATITE BEADS ×4
a, c HARAPPA
b UR.

FIG. 11. ×1/1.

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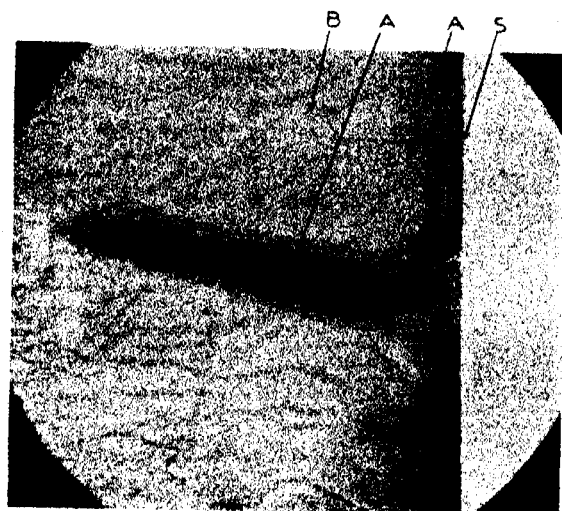
MICROPHOTOGRAPHS OF "BURNT" AND PAINTED STEATITE.

×50

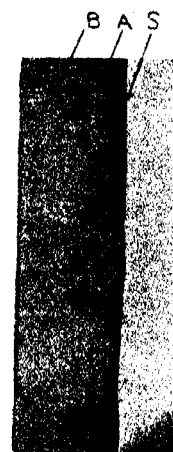
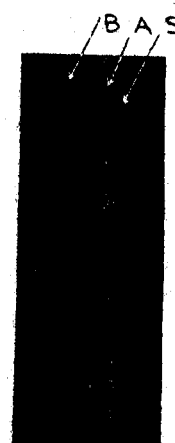
FIG. 1.
SECTION OF "BURNT" STEATITE SEAL FROM MOHENJO-DARO.

a *b* ×40

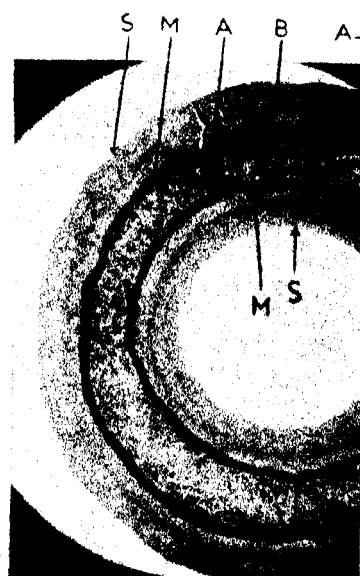
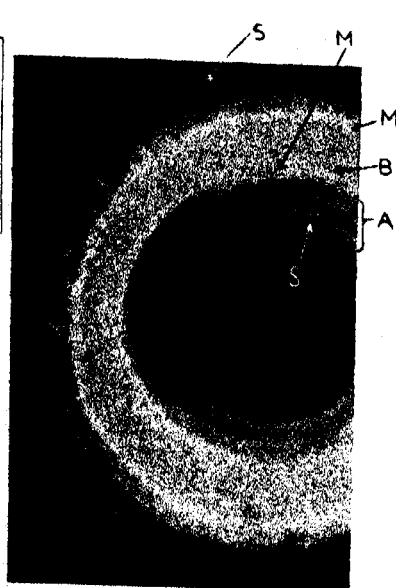
FIG. 2.
SECTION OF "BURNT" STEATITE SEAL FROM HARAPPA.

a *b* ×40

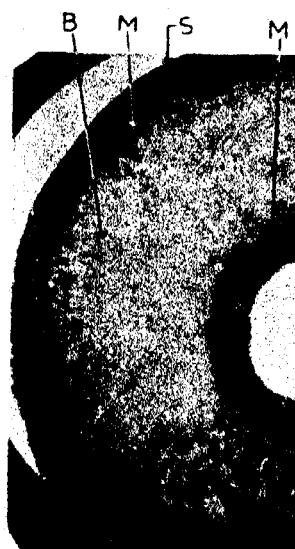
FIG. 3.
SECTION OF "BURNT" STEATITE BEAD FROM HARAPPA.

a *b* ×40

FIG. 4.
SECTION OF "BURNT" STEATITE BEAD FROM UR.

a *b* ×40

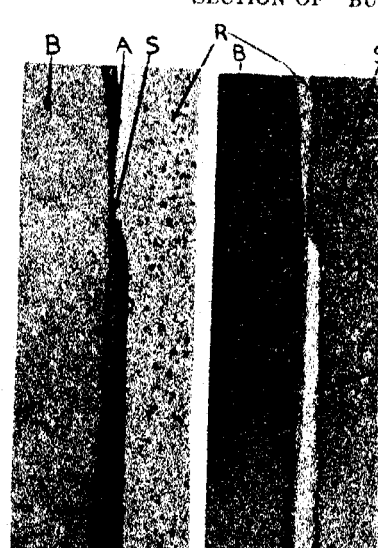
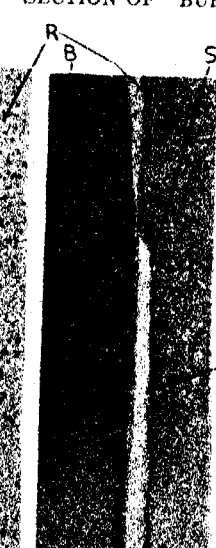
FIG. 5.
SECTION OF "BURNT" STEATITE DISC BEAD FROM HARAPPA.

a *b* ×40

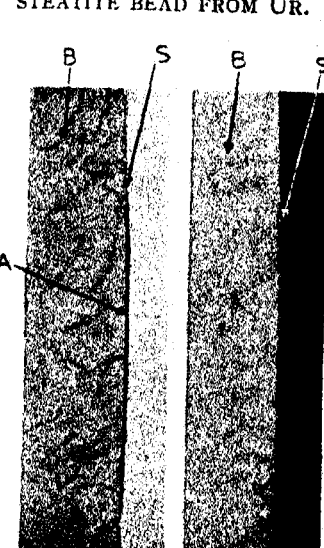
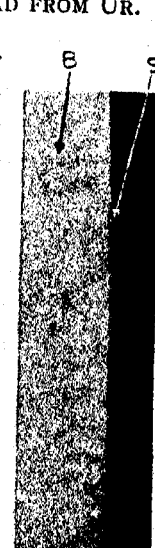
FIG. 6.
SECTION OF UNUSUAL TYPE OF "BURNT" STEATITE BEAD FROM HARAPPA.

a *b* ×40

FIG. 7.
SECTION THROUGH PAINTED STEATITE BEAD FROM HARAPPA.

A = AFFECTED PORTION.
B = BASE.
M = AREA OF MAXIMUM EFFECT.
R = REINFORCING MATERIAL.
S = SURFACE OF SPECIMEN.

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(d) Northern end showing the findspot of numerous seals, beads, etc., from east.

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(b) Trench V. Bovine bones and copper spear-head No. 10008 below a wall of Stratum IV in Square J 12/25.
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(b) Furnace Fa showing flues in the vault after clearance.
(c) Furnace Fj.
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(f) Furnace Ff.

" XVIII.—Mound F.
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(b) Trench V. Deep Digging at the eastern end showing broken pottery.
(c) Trench V. Goblets with pointed bases *in situ* in Square J 12/15.
(d) Trench IV. *Deg*-shaped large pottery vessel covered by a wall of Stratum III in Square I 11/10.
(e) Trench IV. Furnace Fd.
(f) Trench IV. Furnace Fg.
(g) Trench IV. Large pottery vessel shaped like a goblet with pointed base in Square 112/7.

" XIX.—Mound F. Plan and Section of Trench I.

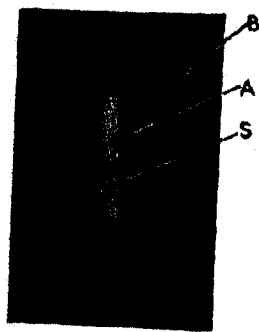
MICROPHOTOGRAPHS OF ETCHED CARNELIAN BEADS AND FAIENCE BEADS.

×40

FIG. 1

SECTION OF A WHITE LINE ON ETCHED CARNELIAN TYPE I. LIGHT REFLECTED FROM ABOVE.

a ×40 *b* ×40

FIG. 2

SECTION OF AN IRREGULAR WHITE LINE OF AN ETCHED CARNELIAN TYPE I.

a. ORDINARY TRANSMITTED LIGHT.
b. LIGHT REFLECTED FROM ABOVE.

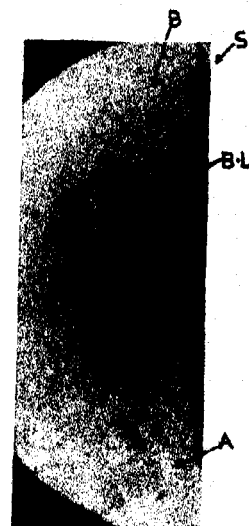
A=AFFECTED AREA. S=SURFACE OF SPECIMEN.
B=BASE. BL=BLACK LINE.

×40

FIG. 3

SECTION OF A BLACK LINE ON AN UNUSUAL FORM OF ETCHED CARNELIAN. TYPE II.

a ×40 *b* ×40

FIG. 4

SECTION OF FAIENCE ORDINARY TYPE.

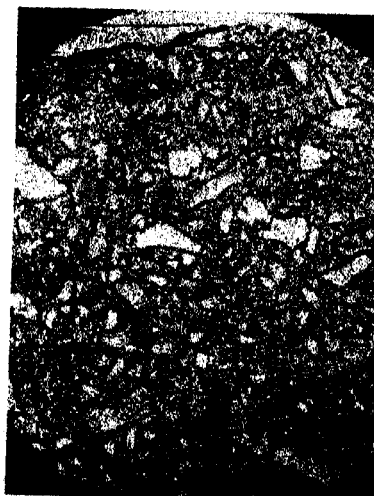
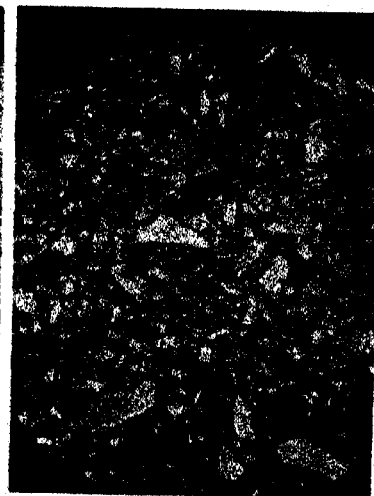
a. ORDINARY TRANSMITTED LIGHT.
b. POLARIZED LIGHT.

a ×40 *b* ×40

FIG. 5

SECTION OF VERY COARSE FAIENCE.

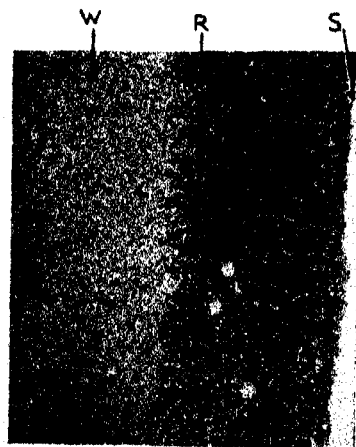
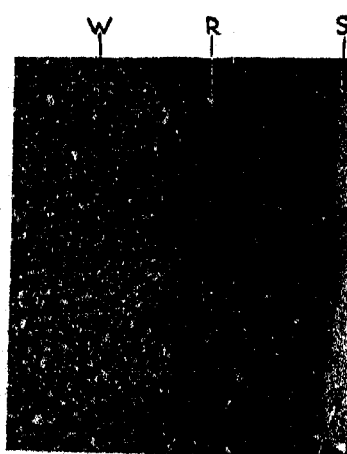
a. ORDINARY TRANSMITTED LIGHT.
b. POLARIZED LIGHT.

a ×40 *b* ×40

FIG. 6

SECTION OF VERY FINE VARIEGATED FAIENCE.

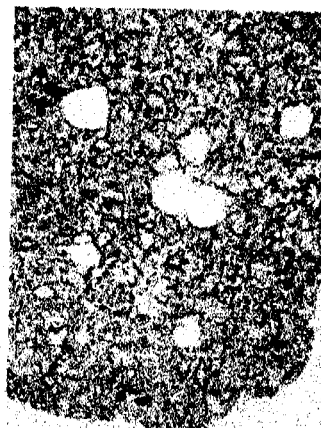
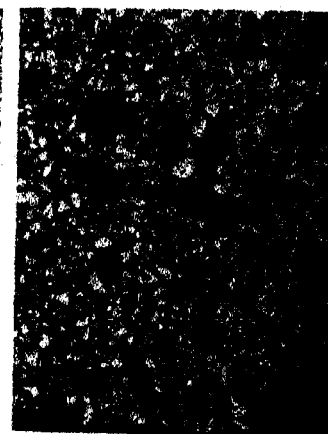
a. ORDINARY TRANSMITTED LIGHT.
b. POLARIZED LIGHT.

a ×40 *b* ×40

FIG. 7

SECTION OF VERY HARD FINE GRAINED FAIENCE SOMETIMES CALLED VITREOUS PASTE.

a. ORDINARY TRANSMITTED LIGHT.
b. POLARIZED LIGHT.

PLATE XX.—Mound F. Trench I.

(*a*) General view from north-west-north.

(*b*) General view from south-east-south.

(*c*) View of the Central Section showing Strata I-VI, from north-west.

(*d*) Detail view of mud huts at the southern end.

" XXI.—Mound F. Trench I.

(*a*) View of the Northern Section, from south-west.

(*b*) Deep Digging and the Northern Section showing eight strata of occupation, from south-west.

(*c*) Crushed pottery lying against a wall of Stratum V in Square M 11/11.

(*d*) Central Section showing a fine rectangular pavement of Stratum V.

" XXII.—Mound F. Trench I.

(*a*) Central Section. Seals, weights, etc. of Stratum IV *in situ*.

(*b*) Central Section. Copper jar No. 277 of Stratum III *in situ*.

(*c*) Deep Digging. Western cutting showing compressed layers of green earth preceded and followed by soft white soil.

(*d*) Deep Digging. Eastern part showing bovine bones including forepart of a skull.

" XXIII.—Mound F. Trench I.

(*a*) Northern Section. Pottery jars Nos. 1033 A and B besides a broken pavement of Stratum III.

(*b*) Northern Section. Post-cremation urn No. 3686 in Square M 10/15 with a human tibia inside.

(*c*) Southern Section. Two rectangular hearths of Stratum IV and circular mangers of Stratum V in Square M 12/19.

(*d*) Partial view of pottery in Square M 12/17.

(*e*) Inscribed jar and jar-stands of Stratum VI in Square M 12/6.

(*f*) Broad and shallow trough of Stratum VI in Square M 11/13.

" XXIV.—Mound F. Plan of Trench III.

" XXV.—Mound F.

(*a*) Trench III. Partial view of Houses 1 and 2 of Stratum IV, from south-west.

(*b*) Trench III. Group of polychrome and other pottery No. 5723 *in situ*.

(*c*) Trench VI. Bovine bones and pottery in Sink 1 in Square P 10/8.

(*d*) Trench III. Contents of a post-cremation urn lying in the lane between Houses 1 and 2.

" XXVI.—Mound F. Plan and Section of Trench VI.

" XXVII.—Mound F. Trench VI.

(*a*) Eastern part of House I of Stratum IV, from north-west.

(*b*) Western part, showing in the foreground jar-stands embedded in a large pavement, looking north.

(*c*) Burial and non-burial types of potsherds mixed with bovine bones and brickbats in Squares P 10/11 and P 9/15.

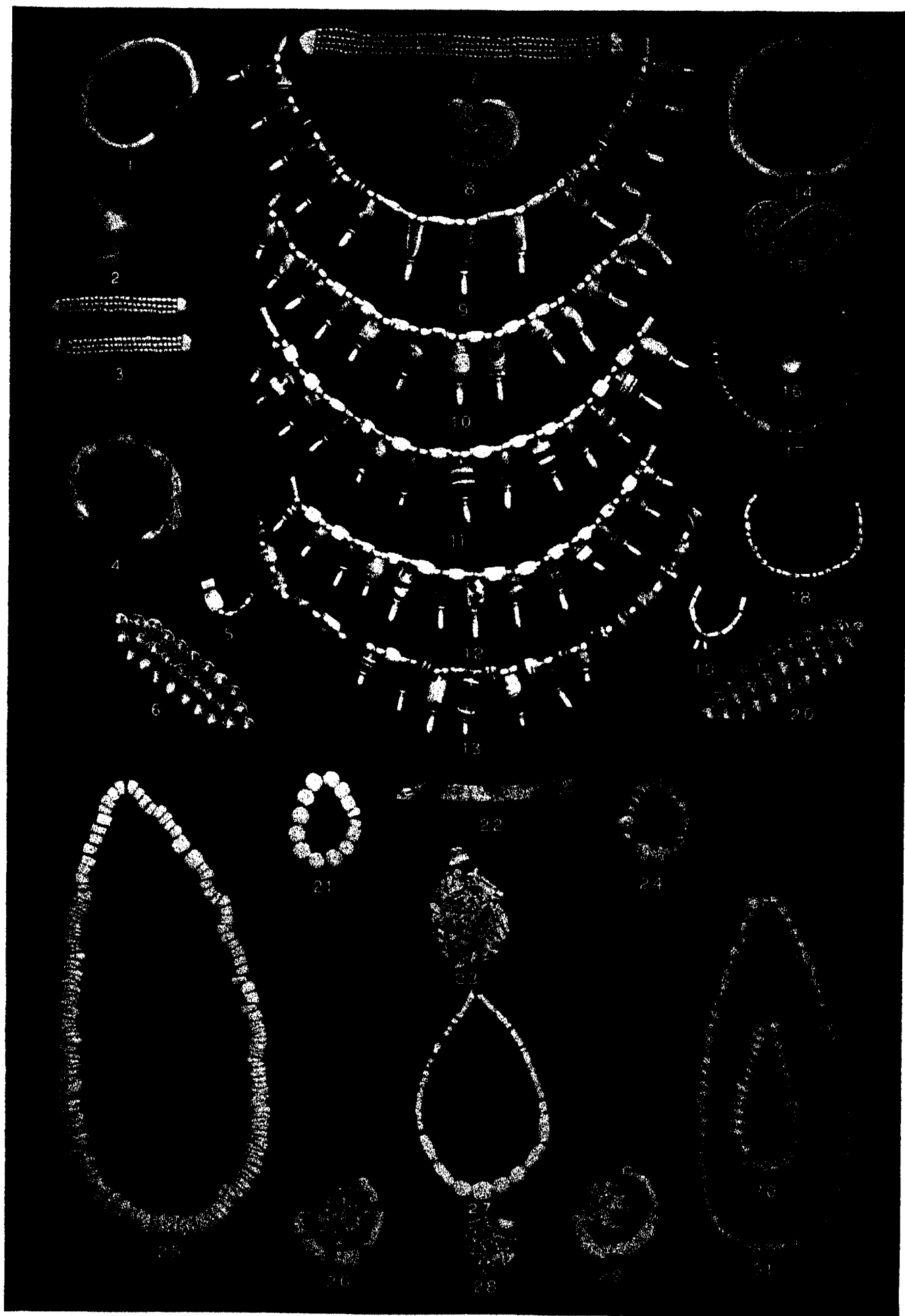
(*d*) Alternate courses of mud and burnt bricks in the outer walls of Room 1, House 2, from north-east.

JWELLERY FROM HOUSE 2, TRENCH IV, MOUND F.

PLATE XXVIII.—Mound F. Trench VI.
(a) Eastern part of House 1 of Stratum IV and other structures, from north-east.
(b) Extension I. Back part of a house buried under fields, from north-west.
(c) Earthenware jars of Strata I to III in the southern part of the northern section, looking west.
(d) Lane to the east of Houses 1 and 2 blocked by later walls, from south.

" XXIX.—Mound AB. Plan and Section of Trench B.

" XXX.—Mound AB. Trench B.
(a) General view showing multiple strata, from south-west.
(b) Rectangular pavement with brick edging in two parts.
(c) Centre of the trench. Heap of animal bones in Stratum IV.
(d) General view, from east-south-east.

" XXXI.—Mound AB. Plan and Section of the Extension of Pits I and II.

" XXXII.—Mound AB. Extension of Pits I and II.
(a) General view showing fragmentary nature of the remains, from south-east.
(b) Eastern part showing pavements, gable-roofed drain across the centre and shed over burial No. 5440 in the background, from north-west-north.
(c) Large drain of Stratum V with a gable-roofed drain above, from east.
(d) General view showing a dilapidated pavement and fragmentary remains, looking east.

" XXXIII.—Mound AB. Extension of Pits I and II.
(a) Spill water jars enclosed by brick reservoirs embedded along the western end of a gable-roofed drain of Stratum IV, from north-east.
(b) House 4 of Stratum III constructed against an existing wall of Stratum IV, from south-east.
(c) Saucer-shaped depression of Stratum III with filmy coating of Fuller's earth.
(d) Enclosure showing fractional burial No. 5440, from north-west.

" XXXIV.—Mound AB.
(a) Pit IV. Remains of a room and drain of Stratum IV with a later pavement in the background, from south-west.
(b) Extension of Pits I and II. Post-cremation trough No. 3868 containing a tortoise-shell, pottery, etc.
(c) Extension of Pits I and II. Drainage jars enclosed in brick reservoirs embedded along the western end of a gable-roofed drain of Stratum IV.
(d) Pit III. Fragmentary remains, from north-west.
(e) Extension of pits I and II. A curtain wall of Stratum IV in Square Q 24/9 with ashes and charcoal sticking on both sides.
(f) Extension of Pits I and II. Partial view of fractional burial No. 5440, from east.

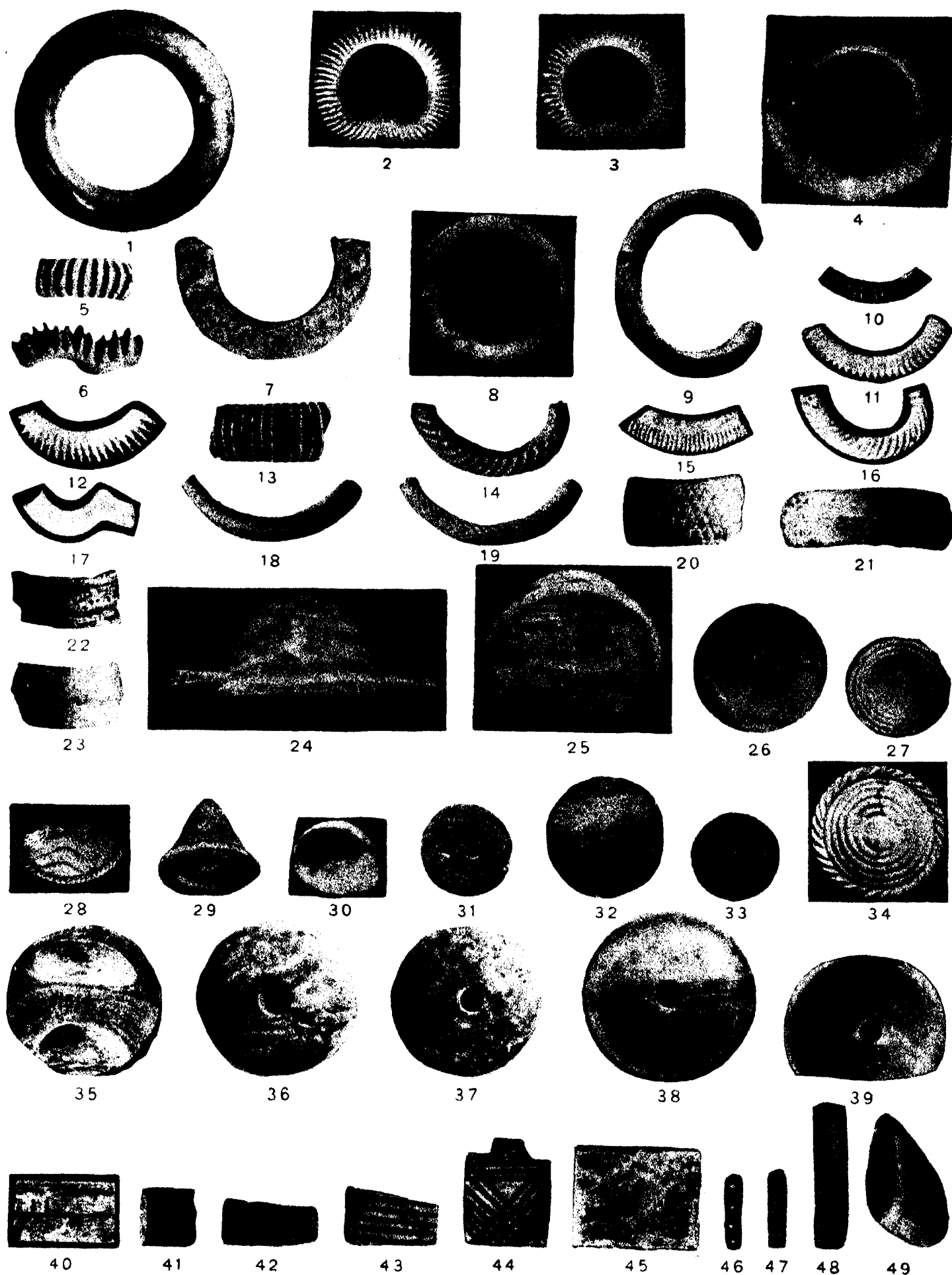
" XXXV.—Mound AB. Plan and Section of Trench at the Southern Edge.

PERSONAL ORNAMENTS.

PLATE XXXVI.—Mound AB. Trench at the Southern Edge.
(a) Mound as left by brick diggers, from south-west-south.
(b) Long row of crushed post-cremation urns of Stratum V going across the trench, looking west.
(c) General view of the trench with excavations in Area J, Cemetery H and Museum in the background, looking south.
(d) Long brick-on-edge pavement of Stratum IV with several partitions, looking south.
(e) General view showing mud brick terrace in the foreground, from south.
(f) Double well of Stratum III showing two rings separated by clay in-filling.

" XXXVII.—Area J. Plans and Sections of Trenches I, II, and III.

" XXXVIII.—Area J.
(a) Trench I. General view, from north-west.
(b) Trench I. House 4 showing *kachcha* rooms, from south-west.
(c) Trench II. General view, looking south.
(d) Trench III, looking east.

" XXXIX.—Area G. Plans and Sections of Trenches I, II and III.

" XL.—Area G. Plan of skeletal remains in Trench II.

" XLI.—Area G. Trench II.
(a) Partial view of the skeletal remains No. G289, from south-east.
(b) Pottery group No. G130 *in situ.*

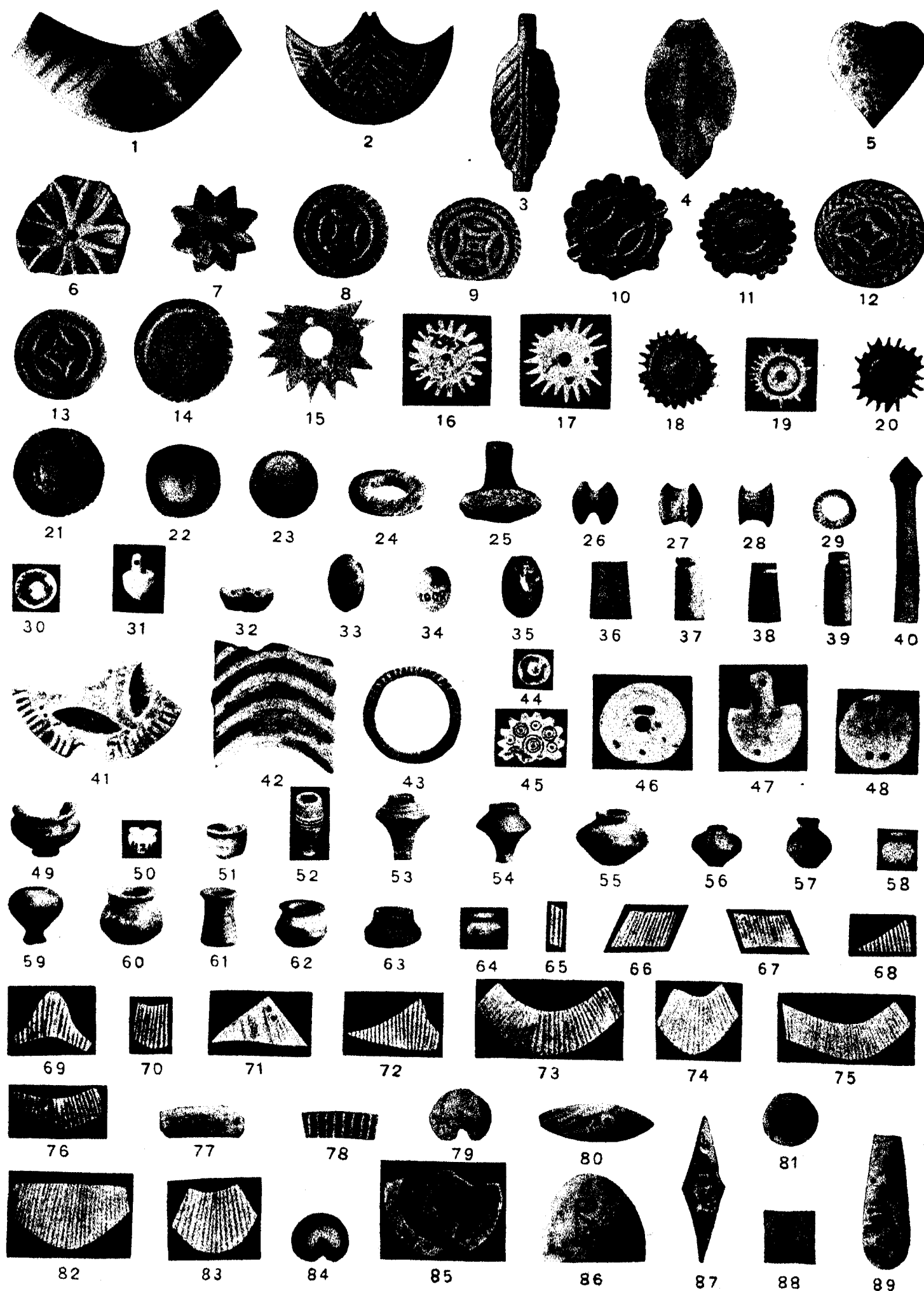
" XLII.—Area G. Trench II.
(a) Pottery group No. G15 *in situ.*
(b) Partial view of skeletal remains No. G289 showing skulls S21, S22, S23, and S46, etc., packed together in Division III, from east.
(c) Partial view of skeletal remains No. G289, showing skulls S1-S4 with food-plates. etc., in Division III, from west.
(d) Partial view of skeletal remains No. G289 with some animal and human bones in Division III, from south-east.

" XLIII.—Cemetery H. Eastern Section. Plan.

" XLIV.—Cemetery H. Eastern Section. Section on AB.

" XLV.—Cemetery H. Eastern Section.
(a) Pot-burials of Stratum I, panoramic view, from east.
(b) Earth-burials of Stratum II, panoramic view, from west.

" XLVI.—Cemetery H. Eastern Section.
(a) Western part showing pot-burials of Stratum I, from north.
(b) Eastern Extension showing pot-burials of Stratum I, from north-east.
(c) Group of pot-burials No. H206 *a-k*, from east.
(d) Groups of pot-burials Nos. H151-H154, from north-west.
(e) Group of pot-burials No. 7435 *a-g*, from south-east.

" XLVII.—Cemetery H. Eastern Section.
(a) Central portion showing burial pottery of Strata I and II, from south-east.

PERSONAL ORNAMENTS, UNGUENT VASES AND INLAY OBJECTS.

(b) Deep Digging at the north-east corner showing river silt and pockets of rubbish, looking north.
(c) Burial pottery of Stratum II, from south.
(d) Group of pot-burials No. H231, from west.
(e) Burial pottery of Strata I and II in Squares R 33/25 and R 34/21 from north-east.
(f) Earth-burials No. H184, etc., from north.

PLATE XLVIII.—Cemetery H. Plan of Western Section and its Extension.
" XLIX.—Cemetery H. Section on EF, GH and CD.
" L.—Cemetery H.
(a) Extension of Western Section. Pot-burials of Stratum I, general view, from east.
(b) Extension of Western Section. Fractional burials of Stratum II, general view, from east.
(c) Detail view of some fractional burials of Stratum II, from south.
(d) Western Section, pot-burials Nos. H243-H248 crushed by the impact of cart traffic, from south-west.
" LI.—Cemetery H. Earth-burials.
(a) Burial No. H696.
(b) Burial No. H710.
(c) Burial No. H695.
(d) Burial No. H699.
(e) Burial No. H485.
(f) Burial No. H488.
" LII.—Cemetery H. Earth-burials.
(a) Burial No. H698 with a sacrificed goat to right.
(b) Burial No. H306.
(c) Burial No. H184.
(d) Burial No. H307.
" LIII.—Cemetery H. Earth-burials.
(a) Burial No. H484.
(b) Burial No. H501.
(c) Burial No. H502.
(d) Burial No. H697.
" LIV.—Cemetery H.
(a) Contents of the burial-pot No. H245a.
(b) Contents of the burial-pot No. H249.
(c) Contents of the burial-pot No. H61.
(d) Contents of the burial-pot No. H206a.
(e) Contents of the burial-pot No. H231.
" LV.—Cemetery H.
(a) Burial-pot No. H231 containing only a child's skull.
(b) Contents of the burial-pot No. H154a also showing a narrow-necked vase.
(c) Burial-pot No. H245 containing only a part of a lower leg.
(d) Burial-pot No. H153 containing only a child's skull.
(e) Pot-burial No. H83 showing a baby in embryonic position.

PLATE LVI.—Cemetery H.
(*a*) Pot-burial No. H165*a* containing a baby in embryonic position.
(*b*) Pot-burial No. H622 containing a baby in embryonic position.
(*c*) Pot-burial No. H679 containing a baby in embryonic position.
(*d*) Pot-burial No. H148*a* containing a baby in embryonic position.

" LVII.—Cemetery H.
(*a*) The first pot-burials No. 3934 *a-c*.
(*b*) Pot-burials Nos. H206 *a* and *b*, and H245*k* painted with mythological scenes.
(*c*) Types of burial jars which contained babies in embryonic position.
(*d*) Types of burial food-plates from Stratum II.

" LVIII.—(*a*) Area G. Trench III. General view, from south.
(*b*) Cemetery H. Flasks, etc., mostly of Stratum II.
(*c*) Cemetery H. Pottery of Stratum II.

" LIX.—Cemetery H.
(*a*) Types of burial-pots of Stratum I with their covers.
(*b*) Types of pottery found with earth-burials of Stratum II.

" LX.—Burial Pottery.
" LXI.—Burial Pottery.
" LXII.—Cemetery H. Paintings on burial jars.
" LXIII.—Cemetery H. Paintings on burial jars.
" LXIV.—Cemetery H. Paintings on the underside of flat covers from Stratum II.
" LXV.—Painted sherds from Mounds typical of Burial Pottery.
" LXVI.—Painted sherds from Mounds typical of Burial Pottery.
" LXVII.—Painted sherds from Mounds typical of Household Vessels.
" LXVIII.—Painted sherds from Mounds typical of Household Vessels.
" LXIX.—Painted Pottery from the Mounds.
" LXX.—Miscellaneous Pottery.
" LXXI.—Miscellaneous Pottery.
" LXXII.—Vessels and miscellaneous objects of terracotta.
" LXXIII.—Miscellaneous objects from Harappā and Koṭla Nihang, and pottery typical of Cemetery H from Harappā.
" LXXIV.—(*a*) Common types of Household Jars from Harappā.
(*b*) Miscellaneous objects from Chak Pūrbāne Syāl.

" LXXV.—(*a*) Common types of Post-cremation Urns.
(*b*) Mound AB. Trench at the Southern Edge. Row of post-cremation urns, looking south.

" LXXVI.—Terracotta Human Figurines.
" LXXVII.—Terracotta Human Figurines.
" LXXVIII.—Animal Figurines of terracotta, faience, stone, etc.
" LXXIX.—Animal Figurines of terracotta, faience, stone, etc.
" LXXX.—Mound F.
(*a*)—(*d*) Statuette of red sandstone No. 9042 from Trench IV.

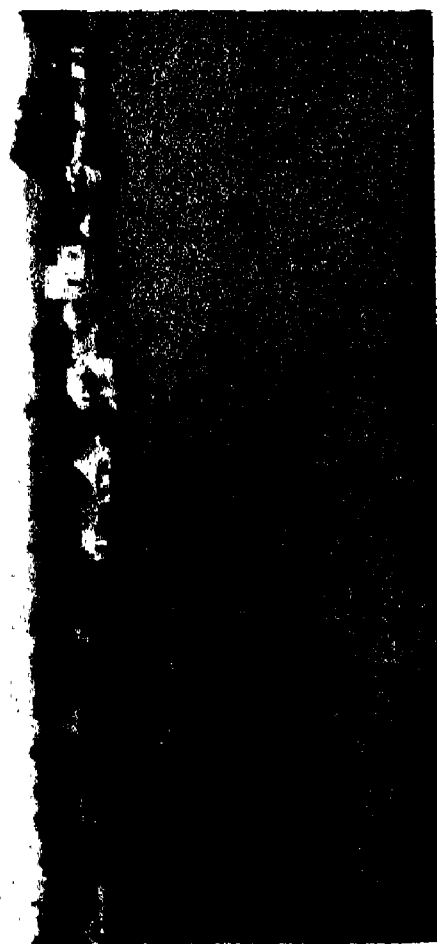
" LXXXI.—Mound F.
(*a*)—(*d*) Statuette of grey stone No. Ab 959 from the central aisle of the Great Granary.

" LXXXII.—Miscellaneous objects of śaṅkh, faience and stone.

PLATE LXXXIII.—Stone Vessels, Mace-heads and objects of Technical Interest in stone and faience.
" LXXXIV.—Types of Seals and Sealings.
" LXXXV to XCII.—Seals.
" XCIII.—Sealings.
" XCIV.—Sealings.
" XCV.—Sealings and Tiny Seals.
" XCVI.—Tiny Seals.
" XCVII.—Tiny Seals.
" XCVIII.—Tiny Seals and Sealings and an Inscribed Stone Slab.
" XCIX.—Seals, Sealings and an Inscribed Ivory Rod.
" C —Sealings.
" CI.—Seals, Sealings, Inscribed Terracotta Ball and Pottery.
" CII.—Inscribed Pottery.
" CIII.—Inscribed Pottery and three inscribed fragments of stone.
" CIV.—Inscribed Pottery.
" CV to CXVI.—Sign Manual.
" CXVII.—Miscellaneous Cult and Household Objects.
" CXVIII.—Stone and Chert Weights, Polishers, Knives, Cores and an Arrow-head.
" CXIX.—Bone and ivory Objects.
" CXX.—Playthings and Gamesmen.
" CXXI.—Copper Jar No. 277 and its Contents.
" CXXII.—Copper and Bronze Weapons, Implements and Utensils.
" CXXIII.—Contents of Copper Jar No. 277 and Marble Mace-head No. 573.
" CXXIV.—Copper and Bronze Ornaments, Utensils, Implements, Weapons, etc.
" CXXV.—Copper, Bronze, Silver and Gold Objects.
" CXXVI.—Microphotographs of specimen 'X' (chisel).
" CXXVII.—Microphotographs of specimen 277 a/21 (celt).
" CXXVIII.—Miscellaneous Beads.
" CXXIX to CXXXIV.—Beads.
" CXXXV.—Microphotographs of "Burnt" and Painted Steatite.
" CXXXVI.—Microphotographs of Etched Carnelian Beads and Faience Beads.
" CXXXVII.—Jewellery from House 2, Trench IV, Mound F.
" CXXXVIII.—Personal Ornaments.
" CXXXIX.—Personal Ornaments, Unguent Vases and Inlay Objects.

MGIPC—M—III-9-35—28-3-40—350.

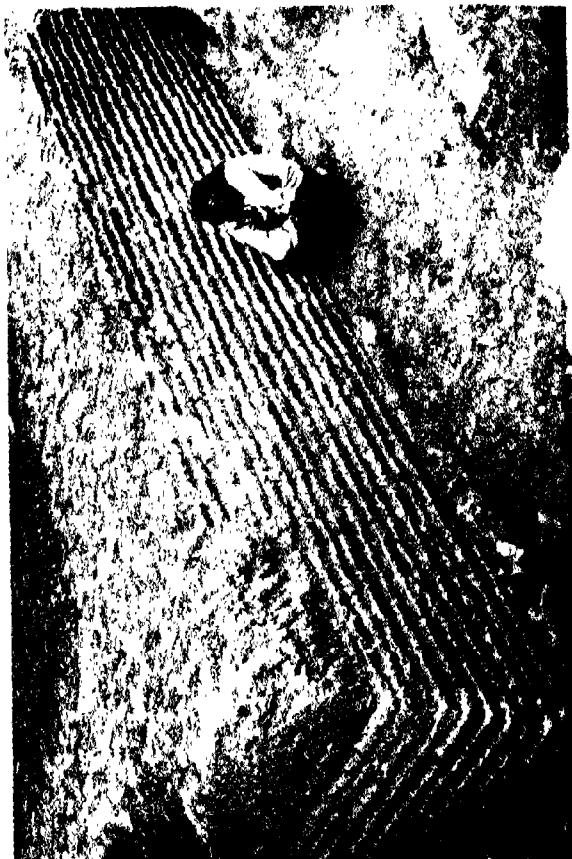
(*a*) PART OF MOUND AB WITH THE TOMB OF NAUGAZA, FROM NORTH-EAST.

(*b*) WEST SIDE OF MOUND AB WITH MOUND F IN THE BACKGROUND, LOOKING NORTH.

(*c*) ARCHÆOLOGICAL CAMP AND MUSEUM, FROM NORTH-EAST.

(*d*) NORTH-EAST SPUR OF MOUND AB SHOWING MUD BRICK TERRACING.

(a) THE GREAT GRANARY, PANORAMIC VIEW, LOOKING SOUTH.

(b) THE GREAT GRANARY, PANORAMIC VIEW, LOOKING EAST.

(*b*) NARROW TRENCH SHOWING A SECTION OF THE RETAINING WALL TO EAST OF THE GREAT GRANARY, LOOKING SOUTH.

(*d*) RETAINING WALL OF THE GREAT GRANARY, FROM SOUTH-WEST.

(*a*) THE GREAT GRANARY, FROM SOUTH-WEST.

(*c*) FLIGHT OF STEPS IN THE CENTRAL AISLE ABUTTING AGAINST THE WESTERN BLOCK OF THE GREAT GRANARY.

(*a*) EXTENSION TO WEST OF THE GREAT GRANARY, LOOKING NORTH.

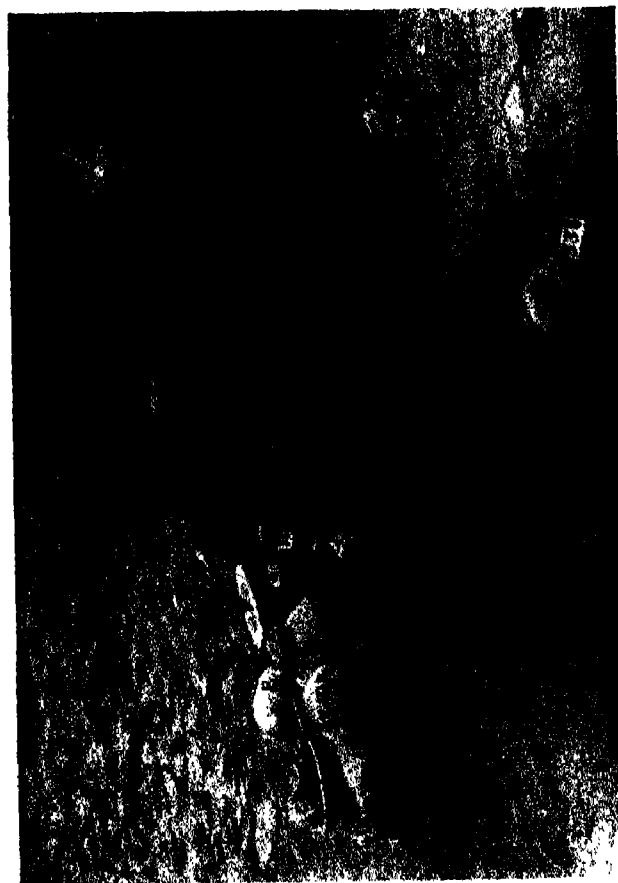
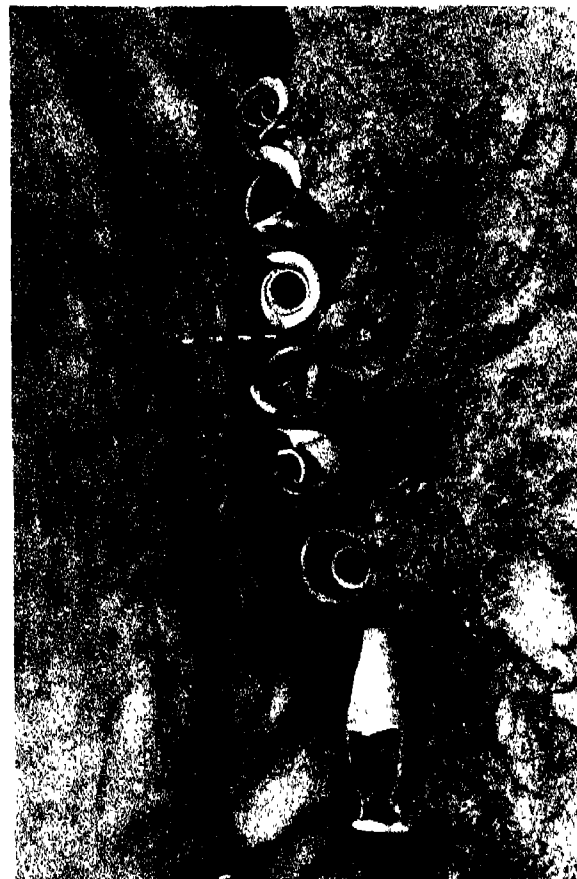
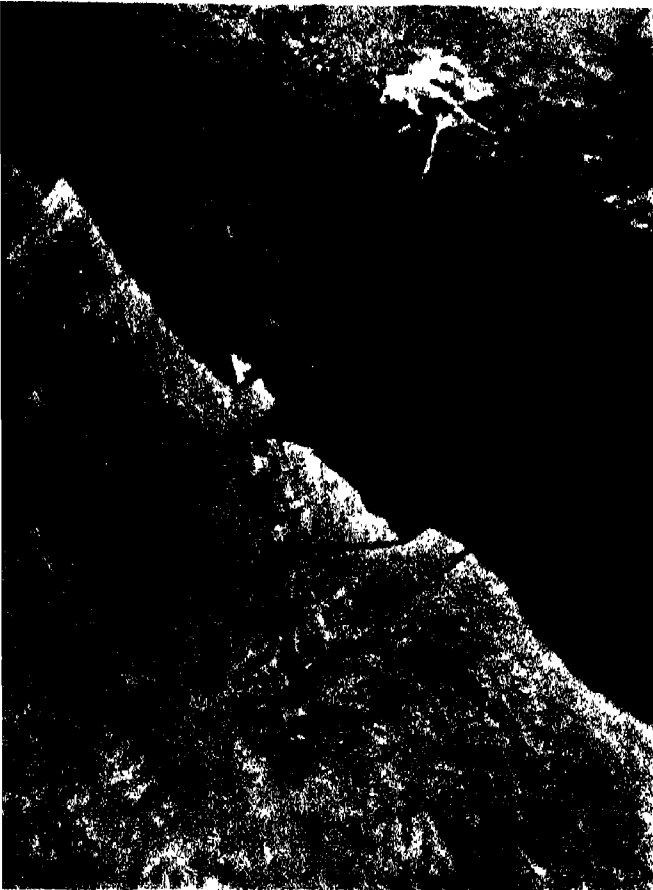
(*b*) HOUSE 1 TO WEST OF THE GREAT GRANARY, FROM SOUTH-WEST.

(*c*) EXTENSION TO EAST OF THE GREAT GRANARY, FROM NORTH-WEST.

(*d*) EXTENSION TO WEST OF THE GREAT GRANARY, SHOWING EARTHENWARE JARS ***in situ*** AND WORK IN PROGRESS, FROM SOUTH-EAST-SOUTH.

(a) EARTHENWARE JAR OF STRATUM V FILLED WITH TRIANGULAR TERRACOTTA CAKES.

(b) POTTERY GROUP OF STRATUM II *in situ.*

(c) EARTHENWARE JAR NO. 3760 *in situ.*

(d) POTTERY GROUPS NOS. 7338 TO 7340 AND 7360 *in situ.*

(e) A LINE OF SEVEN LONG OVAL VASES *in situ* CONTAINING SMALL CYLINDRICAL VASES.

(*a*) GENERAL VIEW OF TRENCH Af FROM NORTH-WEST.

(*b*) DRAIN AND SINK IN TRENCH Ae.

(*c*) LINGAM *in situ* IN TRENCH Ai.

(*d*) BRICK-ON-EDGE PAVEMENT OF STRATUM I IN TRENCH Ae.

(a) WORKMEN'S QUARTERS, LANE II BETWEEN BLOCKS I AND II, LOOKING WEST.

(b) WORKMEN'S QUARTERS, LANE I WITH BLOCK II TO RIGHT, FROM WEST.

(c) NORTHERN PORTION SHOWING CIRCULAR BRICK-ON-EDGE PLATFORMS NOS. 1 TO 3, FROM SOUTH-EAST.

(d) NORTHERN END SHOWING THE FINDSPOT OF SEALS, BEADS, ETC., FROM EAST.

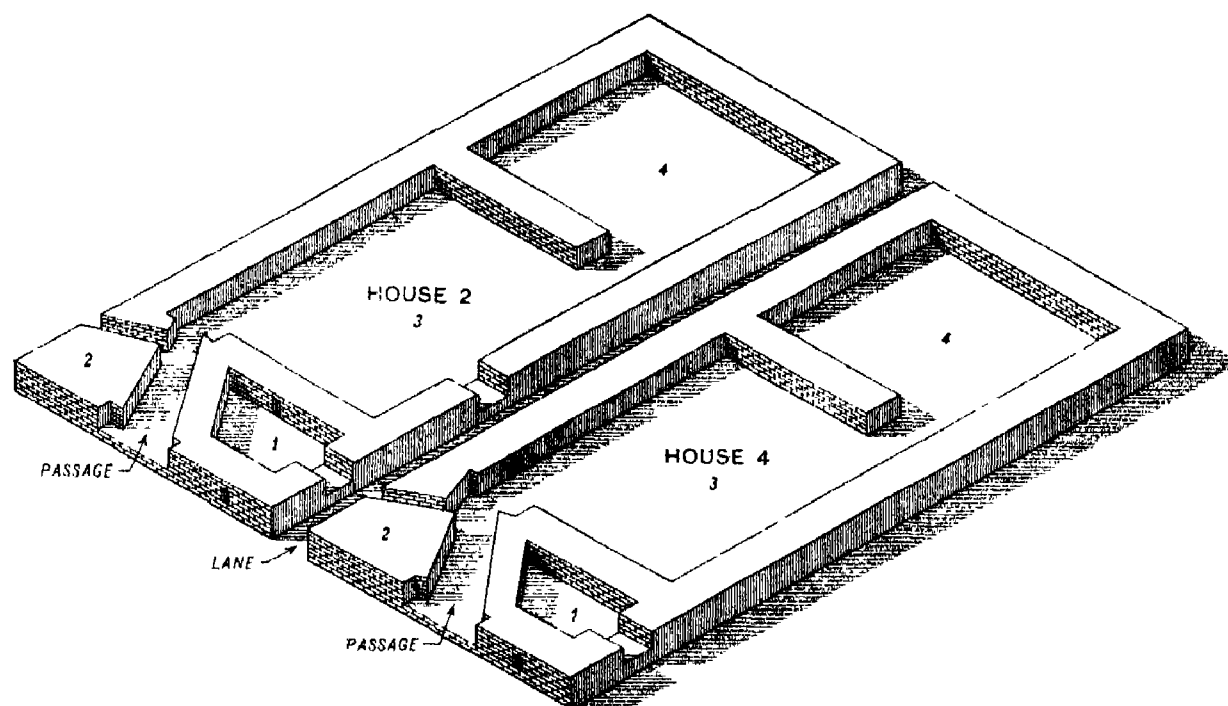
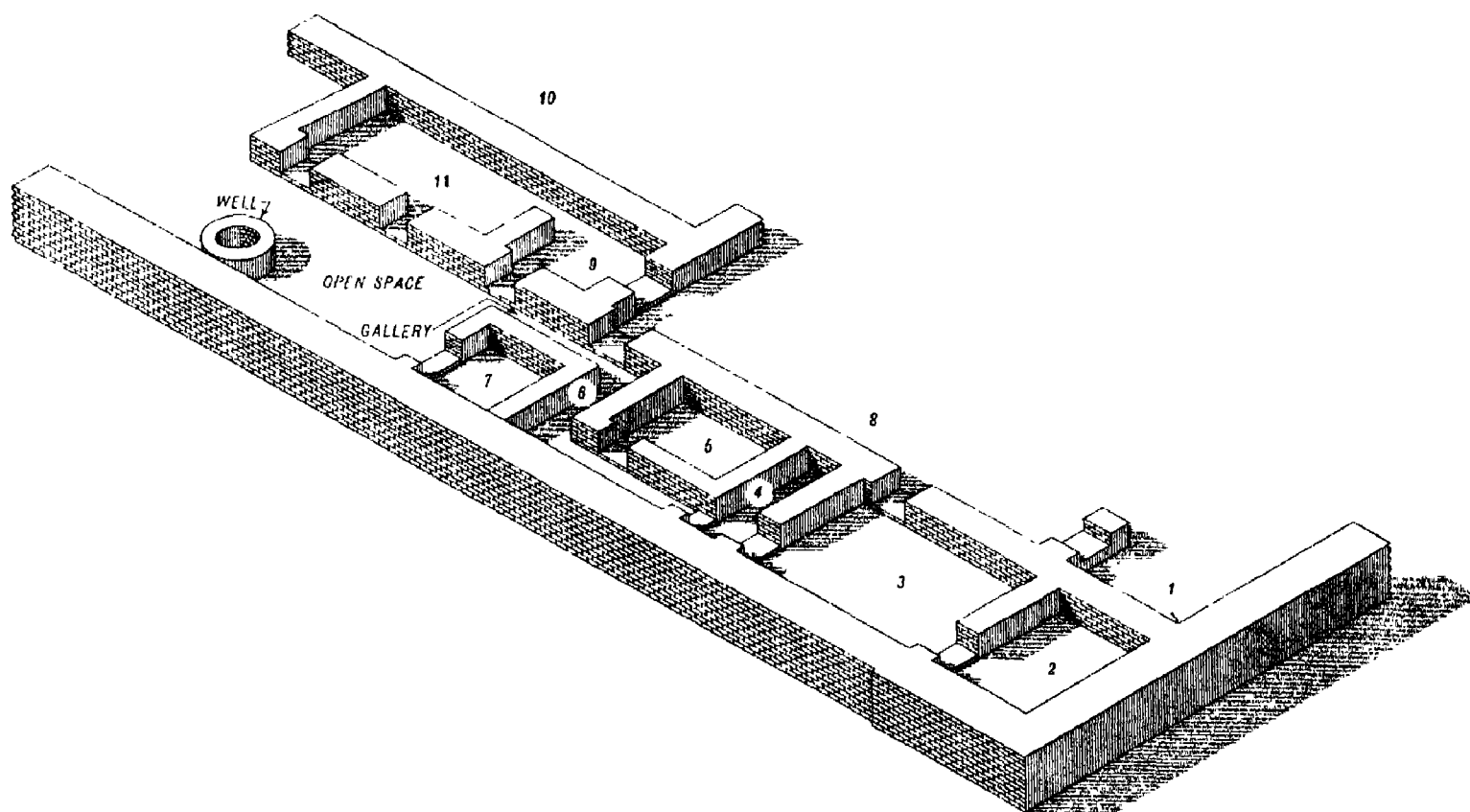
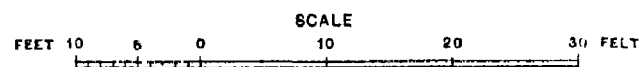
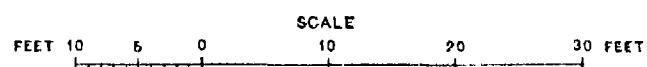
(a) Workmen's Quarters, Houses 3 and 5 with Lane V between them, from south.

(b) Workmen's Quarters, partial view of Blocks I and II with Trench V in the background, from south-west.

(c) General view from north.

(d) Workmen's Quarters, partial view showing quadrilateral-shaped rooms in Blocks I and II, from north-west.

(a) PANORAMIC VIEW OF TRENCHES IV AND V WITH WORKMEN'S QUARTERS TO LEFT FROM EAST.

(b) PANORAMIC VIEW OF TRENCHES IV AND V WITH WORKMEN'S QUARTERS TO RIGHT, FROM WEST.

a. MOUND F, TRENCH IV, WORKMEN'S QUARTERS. ISOMETRIC PROJECTION OF HOUSES 2 & 4

b. MOUND F, TRENCH VI, ISOMETRIC PROJECTION OF HOUSE 1

(*a*) TRENCH IV. DEEP DIGGING SHOWING SEVERAL LAYERS OF NODULES.

(*b*) TRENCH V. BOVINE BONES AND COPPER SPEAR-HEAD NO. 10008 BELOW A WALL OF STRATUM IV IN SQ. J 12/25.

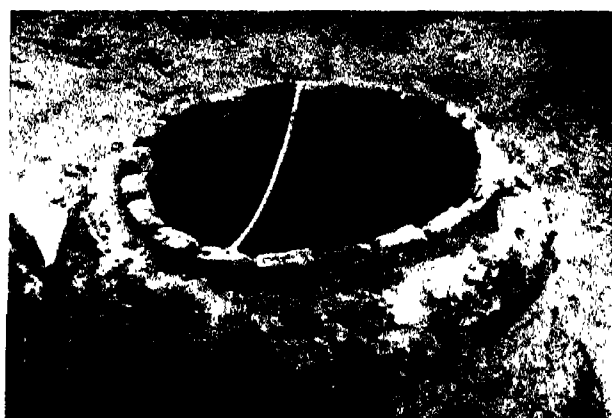
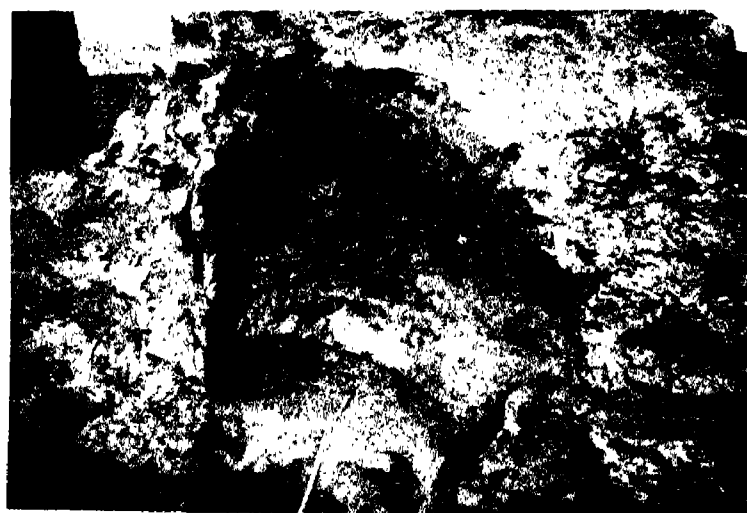
(*c*) TRENCH V. GENERAL VIEW, LOOKING EAST.

(*d*) TRENCH V. WELL WITH PAVEMENT AND WATER JARS, FROM NORTH-WEST.

(*a*) FURNACE Fa WITH A PART OF THE ROOF VAULT LYING INSIDE.

(*b*) FURNACE Fa SHOWING FLUES IN THE VAULT AFTER CLEARANCE.

(*c*) FURNACE Fj.

(*d*) FURNACE Fc WITH DIVIDING WALL INSIDE.

(*e*) PAVED CIRCULAR MANGER LINED WITH BRICK-ON-EDGE.

(*f*) FURNACE Ff.

(a) Trench V. Part of a drain with lime plaster in Sq. J 12/9.

(b) Trench V. Deep digging at the eastern end showing broken pottery.

(c) Trench V. Goblets with pointed bases *in situ* in Sq. J 12/15.

(d) Trench IV. *Deg*-shaped large pottery vessel covered by a wall of stratum III in Sq. I 11/10.

(e) Trench IV. Furnace Fd.

(f) Trench IV. Furnace Fg.

(g) Trench IV. Large pottery vessel shaped like a goblet with pointed base in Sq. I 12/7.

(a) GENERAL VIEW FROM NORTH-WEST-NORTH.

(b) GENERAL VIEW FROM SOUTH-EAST-SOUTH.

(c) VIEW OF THE CENTRAL SECTION SHOWING STRATA I TO VI FROM NORTH-WEST.

(d) DETAIL VIEW OF MUD HUTS AT THE SOUTHERN END.

(*b*) Deep Digging and the Northern Section showing eight strata of occupation, from south-west.

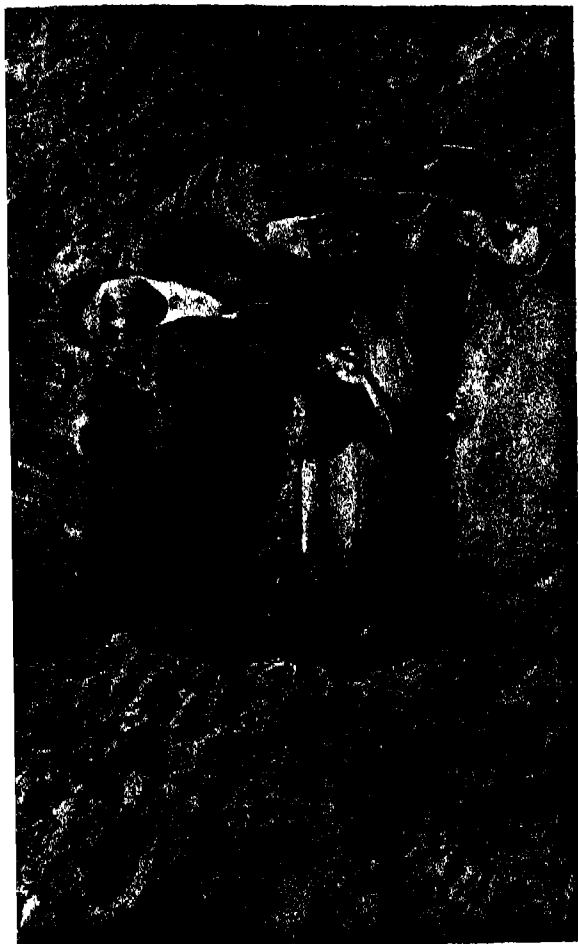
(*d*) Central Section showing a fine rectangular pavement of stratum V.

(*a*) View of the northern section, from south-west.

(*c*) Crushed pottery lying against a wall of stratum V in Sq. M 11/11.

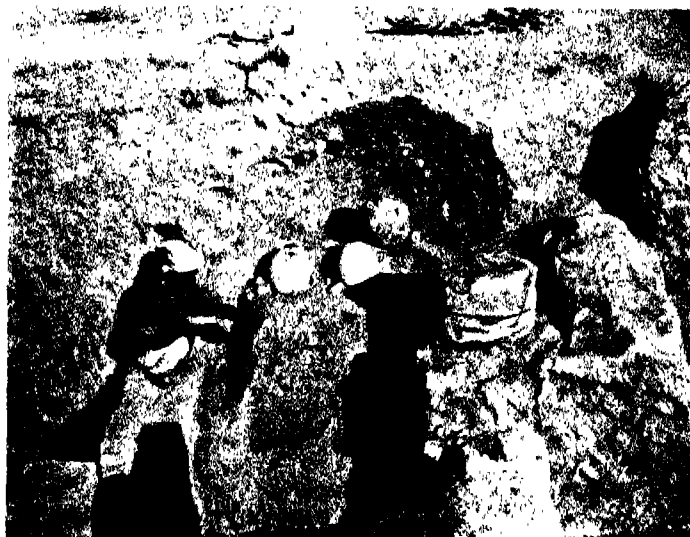
(*a*) CENTRAL SECTION. SEALS, WEIGHTS, ETC., OF STRATUM IV *in situ.*

(*b*) CENTRAL SECTION. COPPER JAR NO. 277 OF STRATUM III *in situ.*

(*c*) WESTERN CUTTING OF THE DEEP DIGGING SHOWING COMPRESSED LAYERS OF GREEN EARTH PRECEDED AND FOLLOWED BY SOFT WHITE SOIL.

(*d*) EASTERN PART OF THE DEEP DIGGING SHOWING BOVINE BONES INCLUDING FOREPART OF A SKULL.

(*a*) NORTHERN SECTION, POTTERY JARS 1033 A AND B BESIDES A BROKEN PAVEMENT OF STRATUM III.

(*b*) NORTHERN SECTION, POST-CREMATION URN No. 3686 IN SQ. M 10/15 WITH A HUMAN TIBIA INSIDE.

(*c*) SOUTHERN SECTION SHOWING TWO RECTANGULAR HEARTHS OF STRATUM IV AND CIRCULAR MANGERS OF STRATUM V IN SQ. M 12/19.

(*d*) PARTIAL VIEW OF POTTERY IN SQ. M 12/17.

(*e*) INSCRIBED JAR AND JAR-STANDS OF STRATUM VI IN SQ. M 12/6.

(*f*) BROAD AND SHALLOW TROUGH OF STRATUM VI IN SQ. M 11/13.

HARAPPA
MOUND F
TRENCH III
SCALE
FEET 10 0 10 20 30 40 FEET
N
REFERENCES
STRATUM I
DO II
DO III
DO IV
STRATUM V
DO VI
DO VII
ST = STRATUM
GRANARY
HOUSE 2
LANE
HOUSE 1
FILLING OF NODULES AND POTSHERDS
PAVING ST III
PAVING ST. IV
PAVING ST IV
MUD WALLS
DRAIN
ST III
ST. I
ST V
N9 18
N9 19
N9 20
N10 16
N9 13
N9 14
N9 15
N10 11
N9 6
N9 7
N9 8
N9 9
N9 10
N10 6
N9 3
N9 4
N9 5
N10 1
M9 23
M9 24
M9 25
M10 21
M9
5503
7867
3925
5630
5723
3463

(a) TRENCH III. PARTIAL VIEW OF HOUSES 1 AND 2 OF STRATUM IV, FROM SOUTH-WEST.

(b) TRENCH III. GROUP OF POLYCHROME AND OTHER POTTERY NO. 5723 *in situ*.

(c) TRENCH VI. BOVINE BONES AND POTTERY IN SINK 1 IN SQ. P 10/8.

(d) TRENCH III. CONTENTS OF A POST-CREMATION URN LYING IN THE LANE BETWEEN HOUSES 1 AND 2.

(a) EASTERN PART OF HOUSE 1 OF STRATUM IV, FROM NORTH-WEST.

(b) WESTERN PART SHOWING IN THE FOREGROUND JAR-STANDS EMBEDDED IN A LARGE PAVEMENT, LOOKING NORTH.

(c) BURIAL AND NON-BURIAL TYPES OF POTSHERDS MIXED WITH BOVINE BONES AND BRICKBATS IN SQUARES P 10/11 AND P 9/15.

(d) ALTERNATE COURSES OF MUD AND BURNT BRICKS IN THE OUTER WALLS OF ROOM 1, HOUSE 2, FROM NORTH-EAST.

(*b*) EXTENSION I, BACK PART OF A HOUSE BURIED UNDER FIELDS, FROM NORTH-WEST.

(*d*) LANE TO THE EAST OF HOUSES 1 AND 2 BLOCKED BY LATER WALLS, FROM SOUTH.

(*a*) EASTERN PART OF HOUSE 1 OF STRATUM IV AND OTHER STRUCTURES, FROM NORTH-EAST.

(*c*) EARTHENWARE JARS OF STRATA I TO III IN THE SOUTHERN PART OF THE NORTHERN SECTION, LOOKING WEST.

(a) GENERAL VIEW SHOWING MULTIPLE STRATA, FROM SOUTH-WEST.

(b) RECTANGULAR PAVEMENT WITH BRICK EDGING IN TWO PARTS.

(c) HEAP OF ANIMAL BONES OF STRATUM IV FOUND IN THE CENTRE OF THE TRENCH.

(d) GENERAL VIEW FROM EAST-SOUTH-EAST.

(*a*) GENERAL VIEW SHOWING FRAGMENTARY NATURE OF THE REMAINS, FROM SOUTH-EAST.

(*b*) EASTERN PART SHOWING PAVEMENTS, GABLE ROOFED DRAIN ACROSS THE CENTRE AND SHED OVER BURIAL NO. 5440 IN THE BACKGROUND, FROM NORTH-WEST-NORTH.

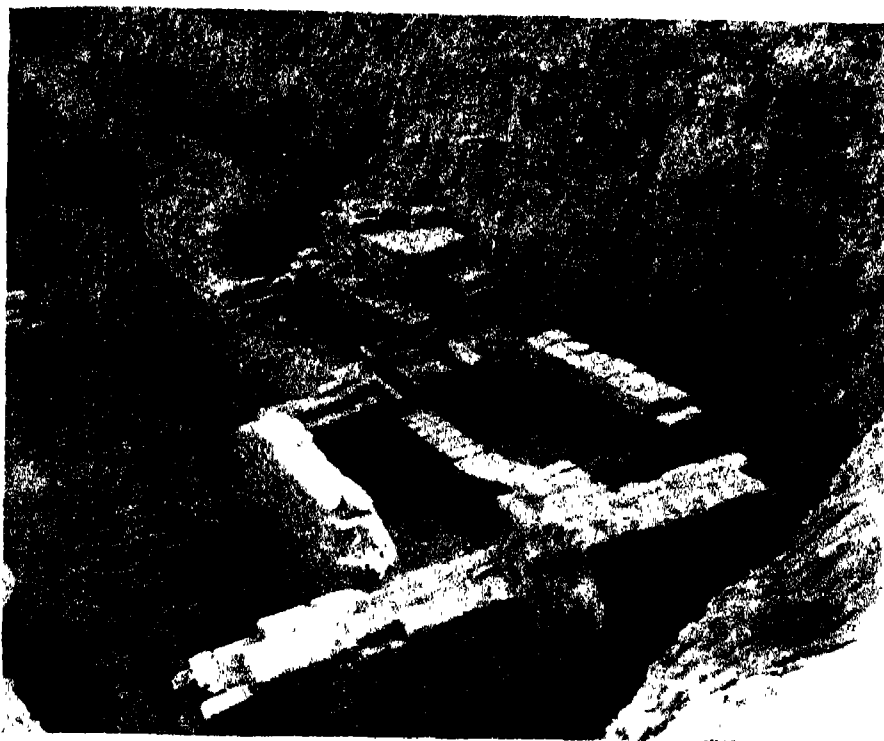
(*c*) LARGE DRAIN OF STRATUM V WITH A GABLE ROOFED DRAIN ABOVE, FROM EAST.

(*d*) GENERAL VIEW SHOWING A DILAPIDATED PAVEMENT AND FRAGMENTARY REMAINS, LOOKING EAST.

(a) SPILL WATER JARS ENCLOSED BY BRICK RESERVOIRS EMBEDDED ALONG THE WESTERN END OF A GABLE ROOFED DRAIN OF STRATUM IV FROM NORTH-EAST.

(b) HOUSE 4 OF STRATUM III CONSTRUCTED AGAINST AN EXISTING WALL OF STRATUM IV, FROM SOUTH-EAST.

(c) SAUCER-SHAPED DEPRESSION OF STRATUM III WITH FILMY COATING OF FULLER'S EARTH.

(d) ENCLOSURE SHOWING FRACTIONAL BURIAL No. 5440, FROM NORTH-WEST.

(*a*) Pit IV. Remains of a room and drain of stratum IV with a later pavement in the background, from south-west.

(*b*) Extension of Pits I and II. Post-cremation trough No. 3868 containing a tortoise shell, pottery, etc.

(*c*) Drainage jars enclosed in brick reservoirs embedded along the western end of the gable roofed drain of stratum IV.

(*d*) Pit III. Fragmentary remains, from north-west.

(*e*) Extension of Pits I and II. A curtain wall of stratum IV in square Q 24/9 with ashes and charcoal sticking on both sides.

(*f*) Extension of Pits I and II. Partial view of fractional burial No. 5440, from east.

(*a*) MOUND AS LEFT BY BRICK DIGGERS, FROM SOUTH-WEST-SOUTH.

(*b*) LONG VIEW OF CRUSHED POST-CREMATION URNS OF STRATUM V GOING ACROSS THE TRENCH, LOOKING WEST.

(*c*) GENERAL VIEW OF THE TRENCH SHOWING EXCAVATIONS IN THE BACKGROUND, AREA J, CEMETERY H AND MUSEUM, LOOKING SOUTH.

(*d*) LONG BRICK-ON-EDGE PAVEMENT OF STRATUM IV WITH SEVERAL PARTITIONS, LOOKING SOUTH.

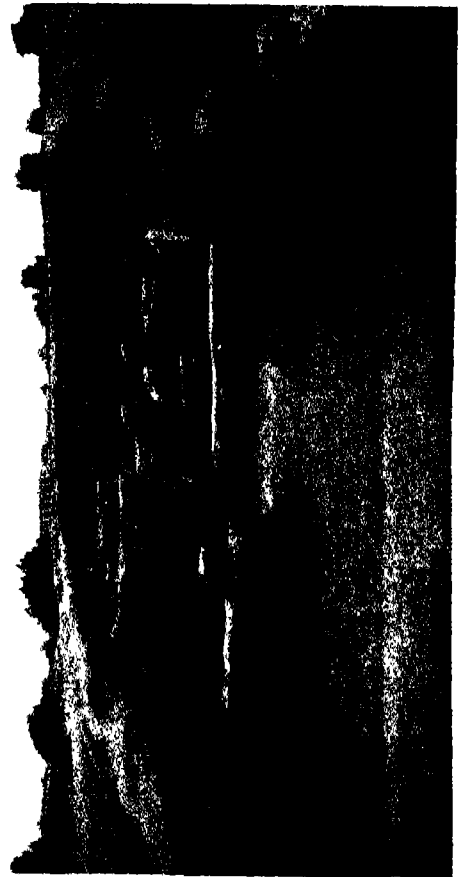
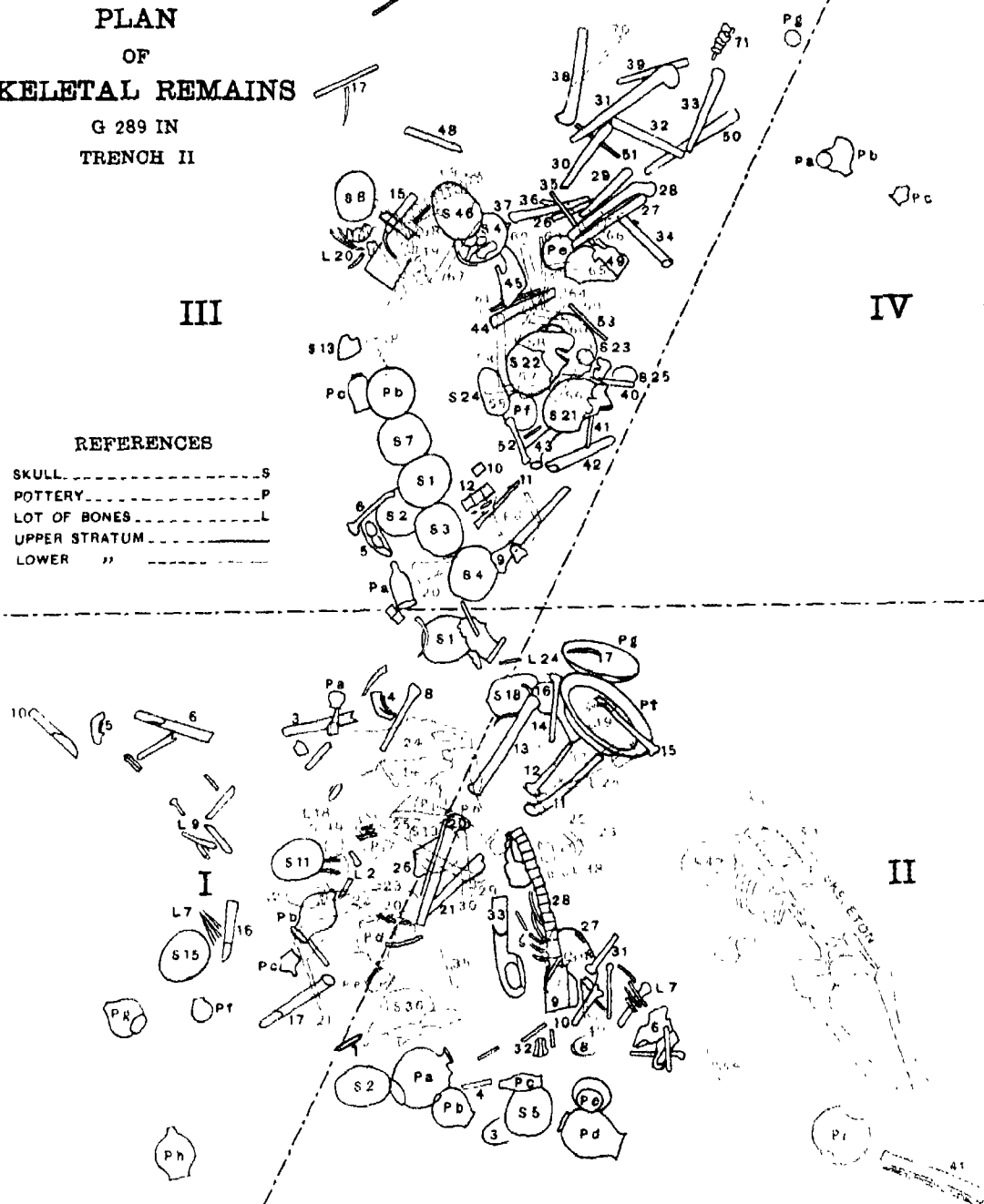
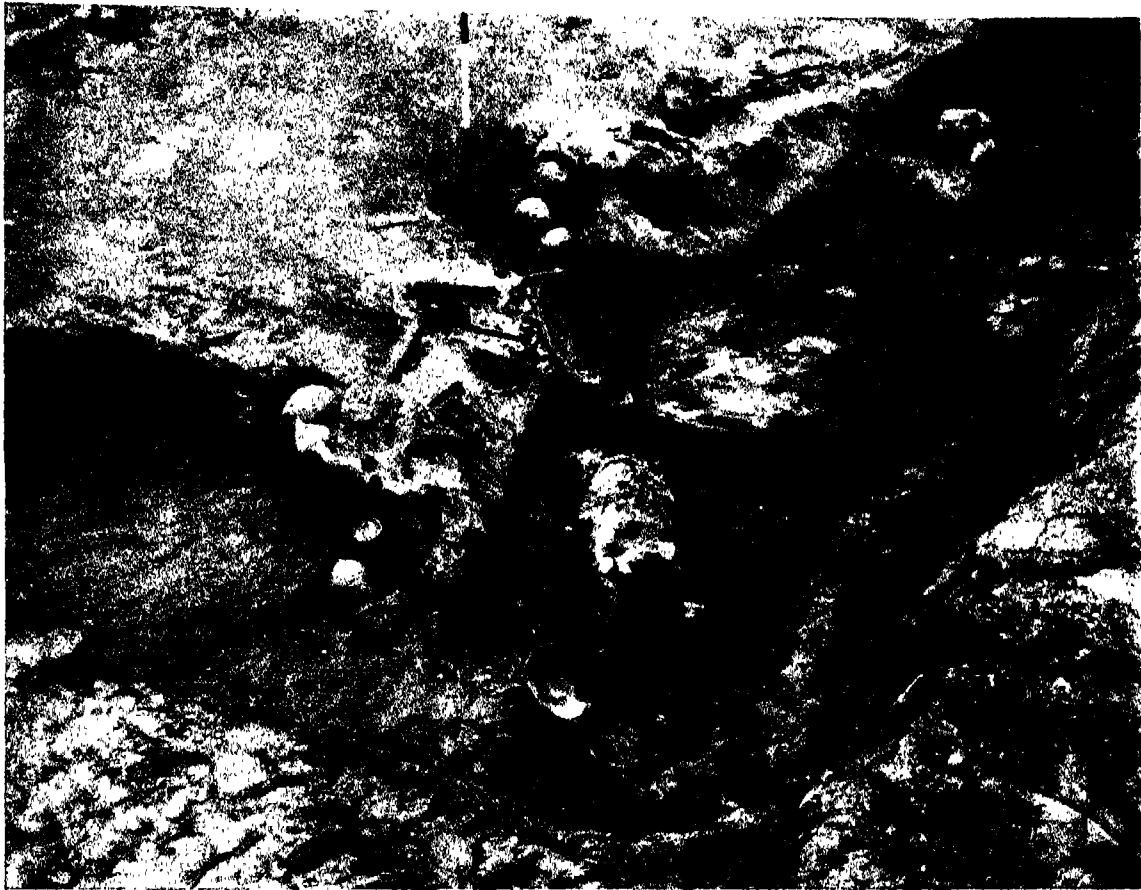
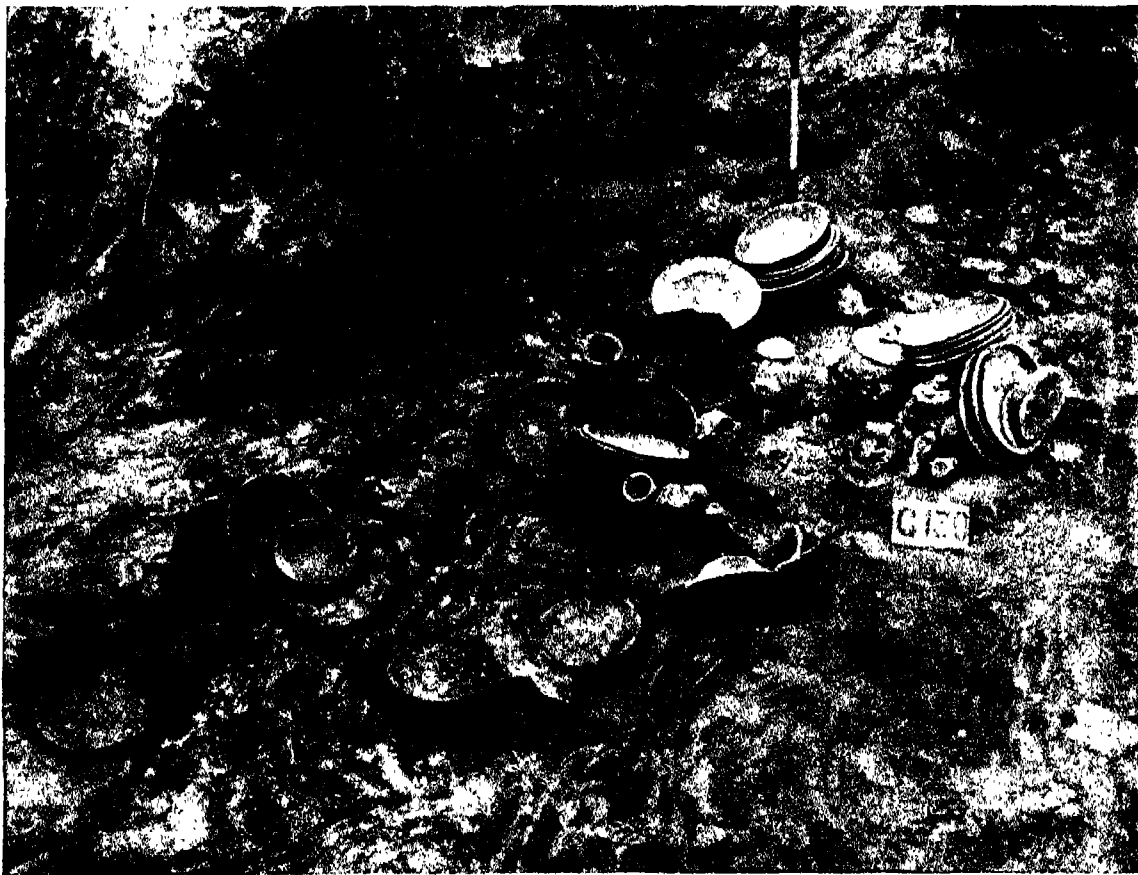
(*e*) GENERAL VIEW SHOWING MUD BRICK TERRACE IN THE FOREGROUND, FROM SOUTH.

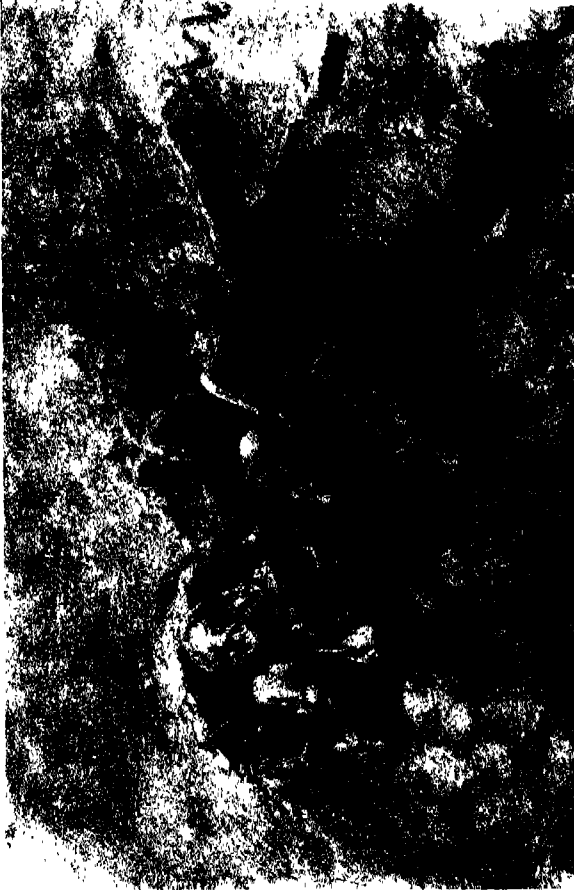
(*f*) DOUBLE WELL OF STRATUM III SHOWING TWO RINGS WITH CLAY FILLING IN BETWEEN.

(*a*) Trench I, General View from North-West.

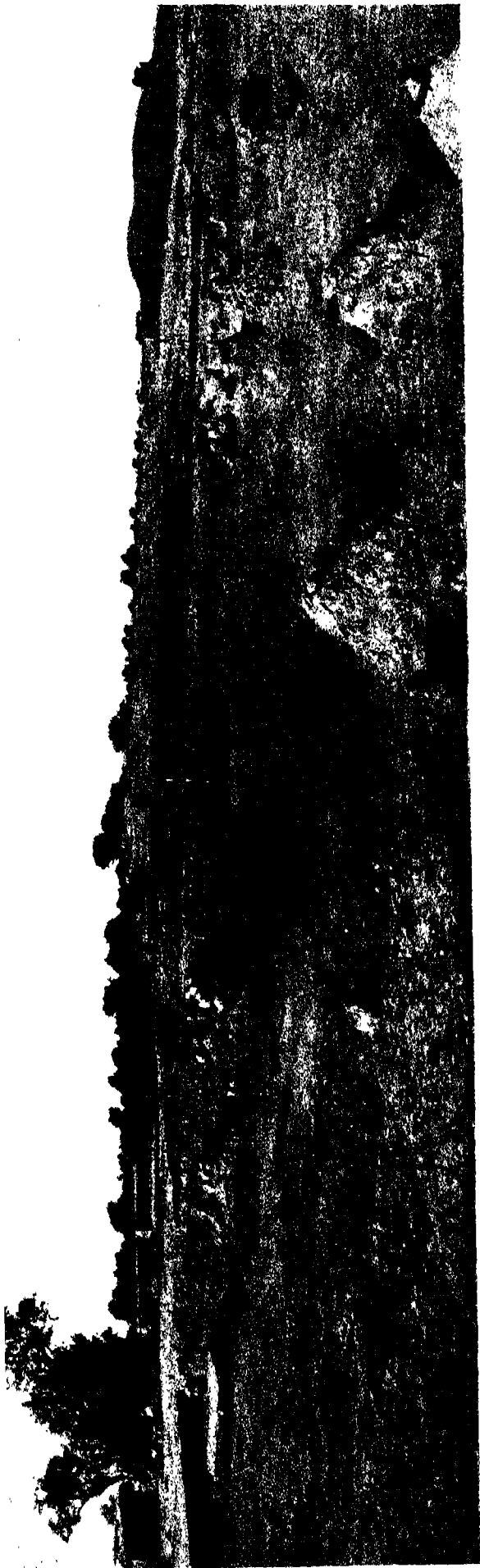
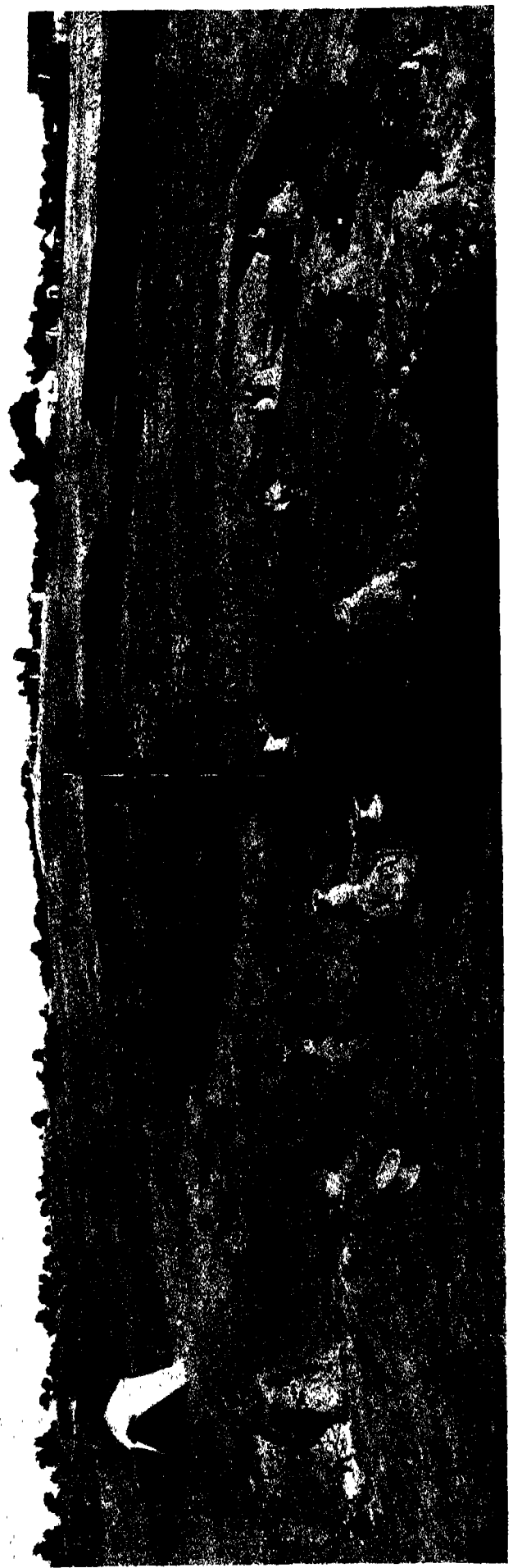
(*b*) Trench I, House 4 showing *Kachcha* rooms, from South-West.

(*c*) Trench II, General view, looking south.

(*d*) Trench III, looking east.

HARAPPA. AREA G.
PLAN
OF
SKELETAL REMAINS
G 289 IN
TRENCH II
REFERENCES
SKULL S
POTTERY P
LOT OF BONES L
UPPER STRATUM
LOWER "
III
IV
I
II
N
SCALE
INCHES 12 9 6 3 0 1 2 3 4 FEET

(*a*) PARTIAL VIEW OF THE SKELETAL REMAINS No. G 289, FROM SOUTH-EAST.

(*b*) POTTERY GROUP No. G 130 *in situ.*

(*a*) Pottery group No. G 15 *in situ*.

(*b*) Partial view of skeletal remains No. G 289 showing skulls S21, S22, S23 and S46, etc., packed together in Division III, from east.

(*c*) Partial view of skeletal remains No. G 289 showing skulls S1 to S4 with food plates, etc., in Division III, from west.

(*d*) Partial view of skeletal remains No. G 289 with some animal and human bones in Division III, from south-east.

(*a*) Pot-burials of stratum I, panoramic view, from east.

(*b*) Earth-burials of stratum II, panoramic view, from west.

(a) WESTERN PART SHOWING POT-BURIALS OF STRATUM I, FROM NORTH.

(b) EASTERN EXTENSION SHOWING POT-BURIALS OF STRATUM I, FROM NORTH-EAST.

(c) GROUP OF POT-BURIALS NO. H 206 A TO K, FROM EAST.

(d) GROUPS OF POT-BURIALS NOS. H 151 TO H 154, FROM NORTH-WEST.

(e) GROUP OF POT-BURIALS NO. 7435 A TO G, FROM SOUTH-EAST.

(*a*) CENTRAL PORTION SHOWING BURIAL POTTERY OF STRATA I AND II, FROM SOUTH-EAST.

(*b*) DEEP DIGGING AT THE NORTH-EAST CORNER SHOWING RIVER SILT AND POCKETS OF RUBBISH, LOOKING NORTH.

(*c*) BURIAL POTTERY OF STRATUM II, FROM SOUTH.

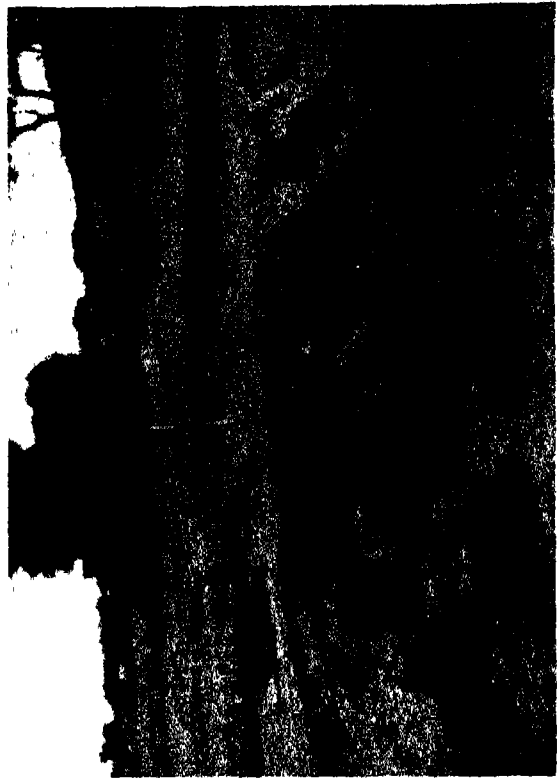
(*d*) GROUP OF POT-BURIALS NO. H 231, FROM WEST.

(*e*) BURIAL POTTERY OF STRATA I AND II IN SQUARES R 33/25 AND R 34/21, FROM NORTH-EAST.

(*f*) EARTH-BURIAL NO. H 184, ETC., FROM NORTH.

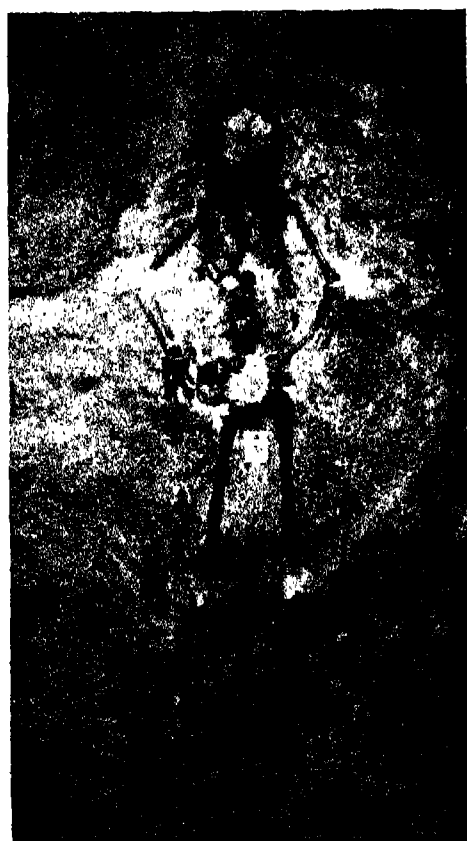
(*a*) EXTENSION OF WESTERN SECTION. POT-BURIALS OF STRATUM I, GENERAL VIEW, FROM EAST.

(*b*) EXTENSION OF WESTERN SECTION. FRACTIONAL BURIALS OF STRATUM II, GENERAL VIEW, FROM EAST.

(*c*) EXTENSION OF WESTERN SECTION. DETAIL VIEW OF SOME FRACTIONAL BURIALS OF STRATUM II, FROM SOUTH.

(*d*) WESTERN SECTION. POT-BURIALS NOS. H. 243 TO H. 248 CRUSHED BY THE IMPACT OF CART TRAFFIC, FROM SOUTH-WEST.

(a) Burial No. H 696.

(b) Burial No. H 710.

(c) Burial No. H 695.

(d) Burial No. H 699.

(e) Burial No. H 485.

(f) Burial No. H 488.

(*b*) BURIAL NO. H 306.

(*d*) BURIAL NO. H 307.

(*a*) BURIAL NO. H 698
WITH A SACRIFICED GOAT
TO RIGHT.

(*c*) BURIAL NO. H 184.

(*a*) BURIAL NO. H 484.

(*b*) BURIAL NO. H 501.

(*c*) BURIAL NO. H 502.

(*d*) BURIAL NO. H 697.

(*a*) CONTENTS OF THE BURIAL-POT No. H 245*a*.

(*b*) CONTENTS OF THE BURIAL-POT No. H 249.

(*c*) CONTENTS OF THE BURIAL-POT No. H 61.

(*d*) CONTENTS OF THE BURIAL-POT No. H 206*a*.

(*e*) CONTENTS OF THE BURIAL-POT No. H 231.

(*a*) Burial-pot No. H 231 containing only a child's skull.

(*b*) Contents of the burial-pot No. H 154*a* also showing a narrow-necked vase.

(*e*) Pot-burial No. H 83 showing a baby in embryonic position.

(*d*) Burial-pot No. H 153 containing only a child's skull.

(*c*) Burial-pot No. H 245 containing only a part of a lower leg.

(*a*) POT-BURIAL NO. H165A CONTAINING A BABY IN EMBRYONIC POSITION.

(*b*) POT-BURIAL NO. H622 CONTAINING A BABY IN EMBRYONIC POSITION.

(*c*) POT-BURIAL NO. H679 CONTAINING A BABY IN EMBRYONIC POSITION.

(*d*) POT-BURIAL NO. H148A CONTAINING A BABY IN EMBRYONIC POSITION.

(*a*) The first pot-burials No. 3931 a to c.

(*b*) Pot-burials Nos. H 206 *a* and *b* and H 245 *k* painted with mythological scenes.

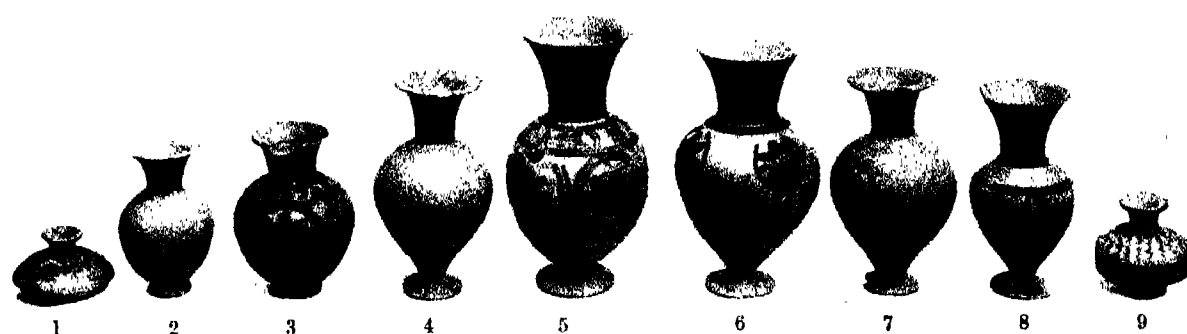
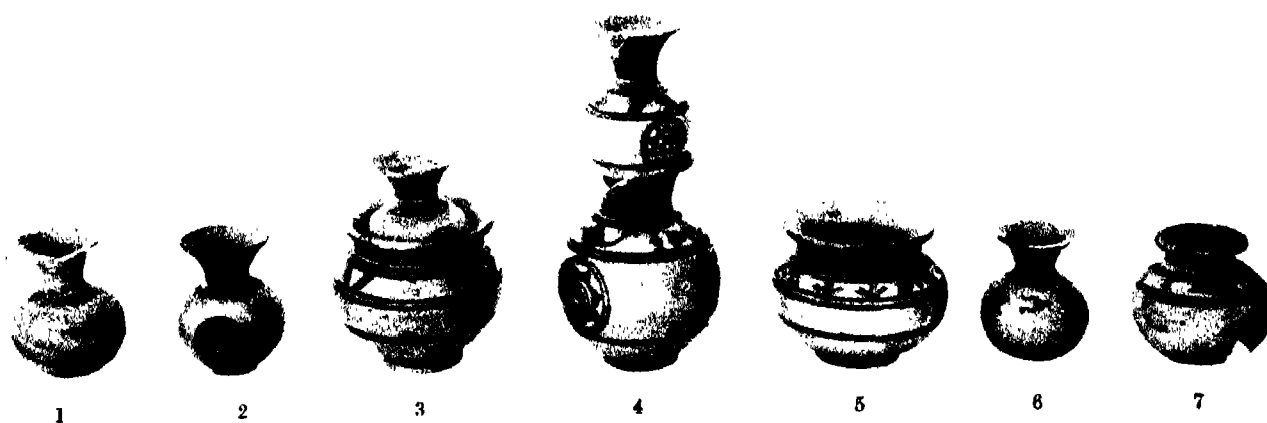
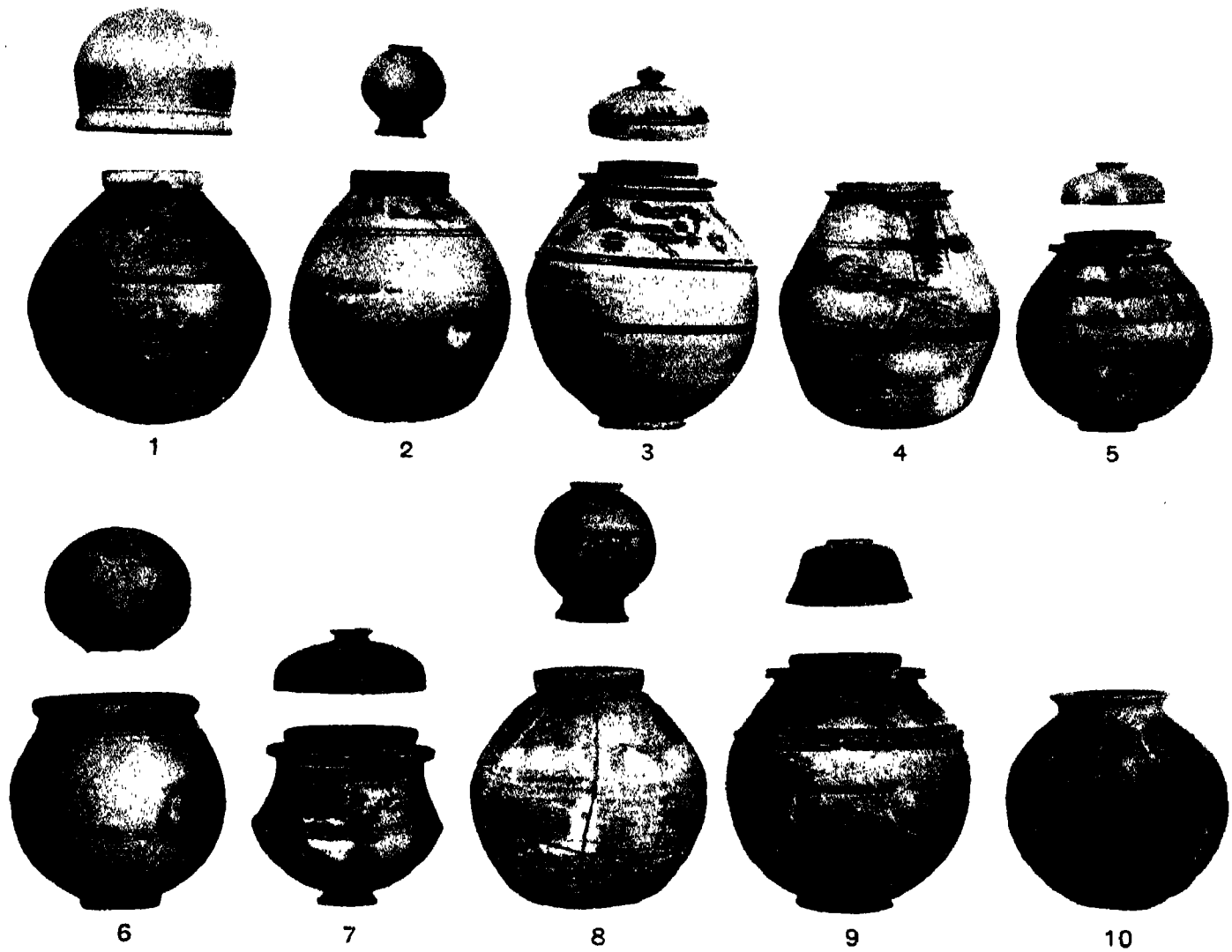
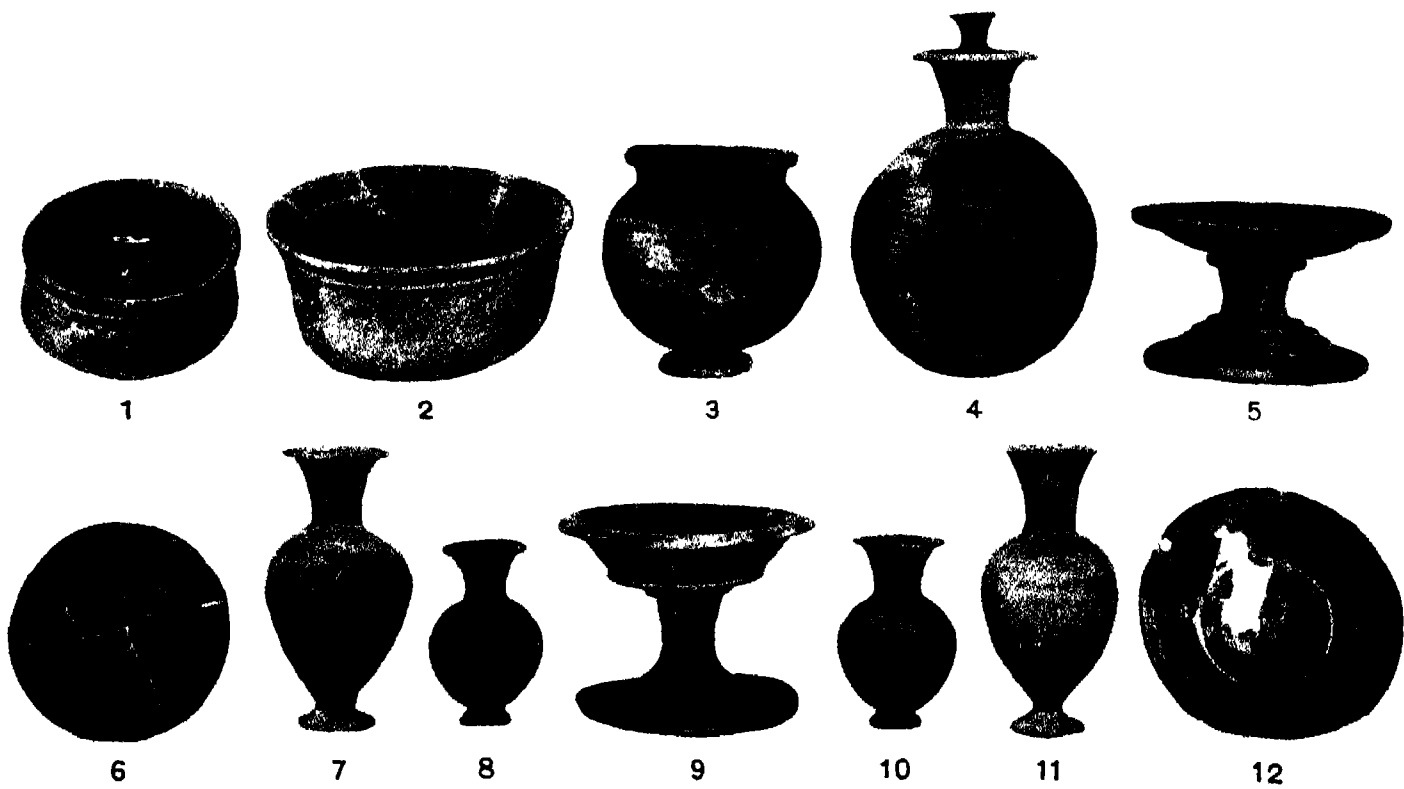
(*c*) Types of burial jars which contained babies in embryonic position.

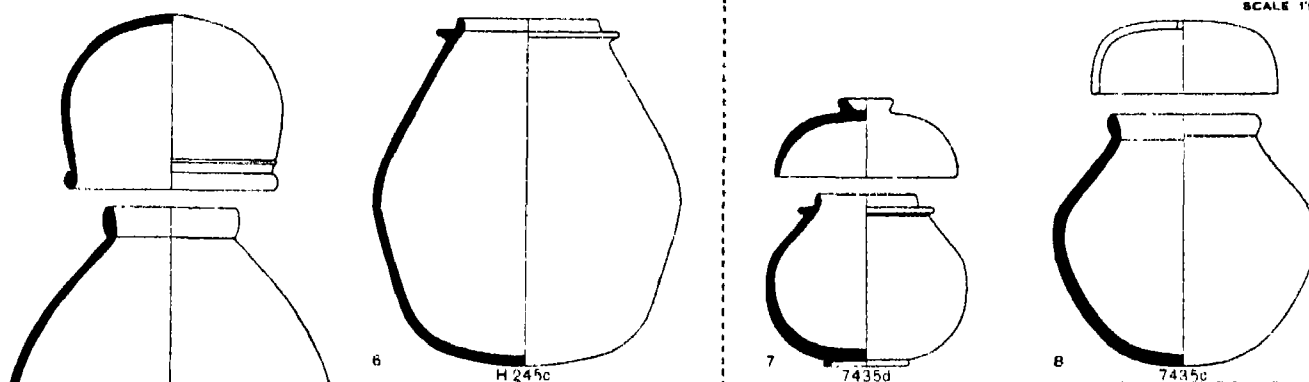
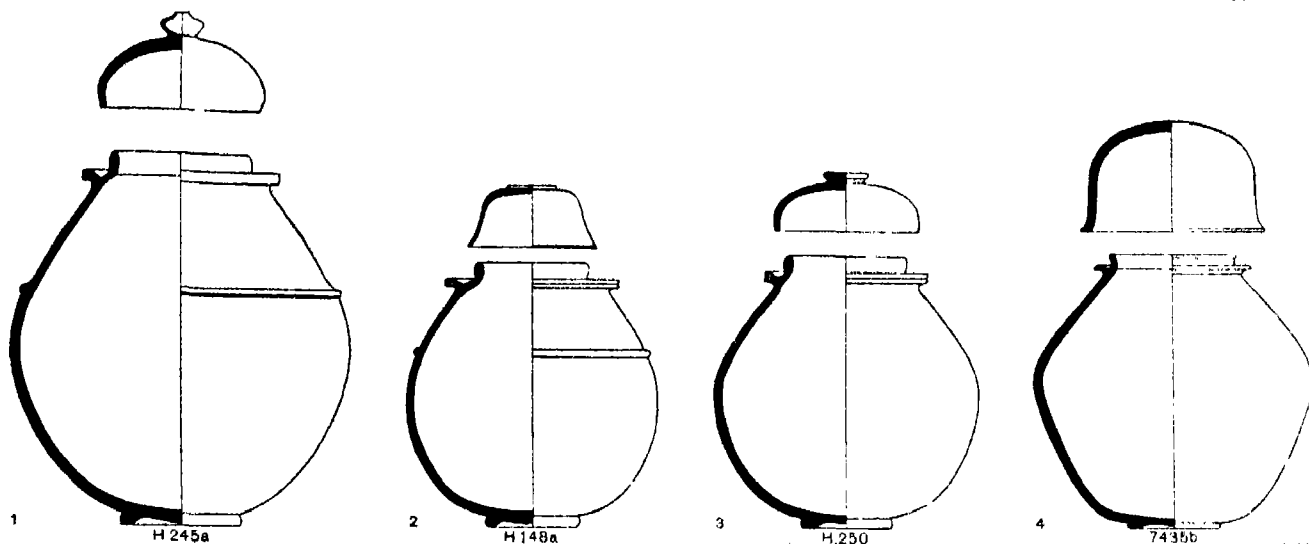
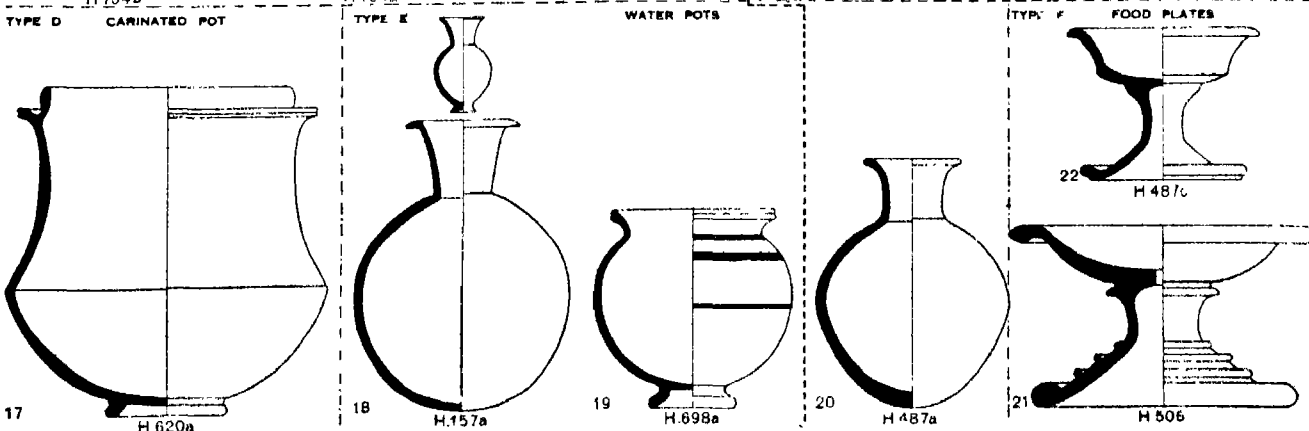
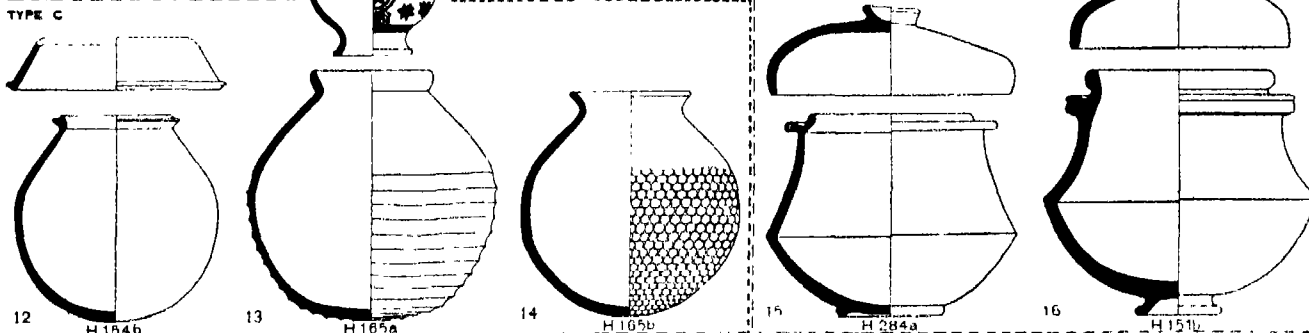
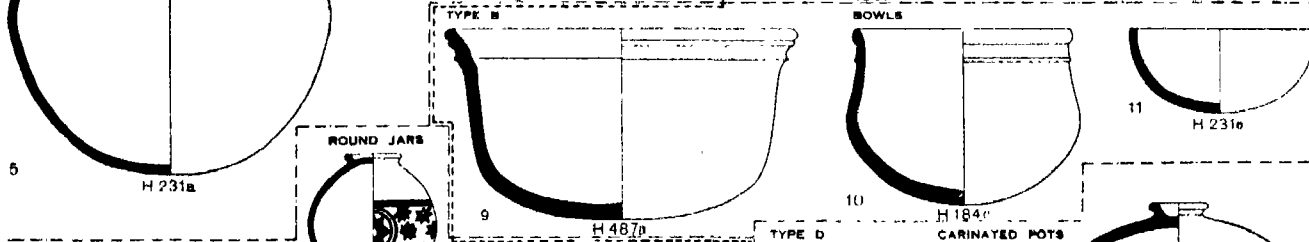
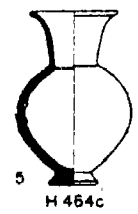
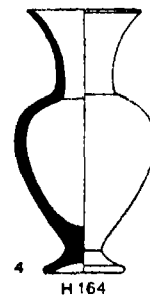
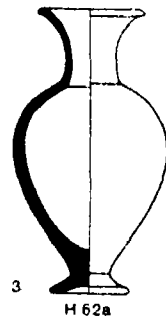
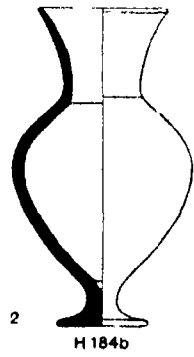
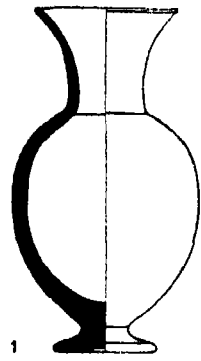
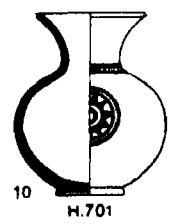
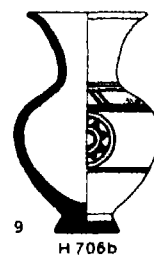
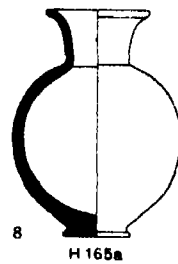
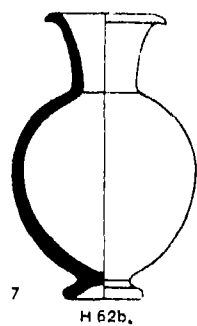
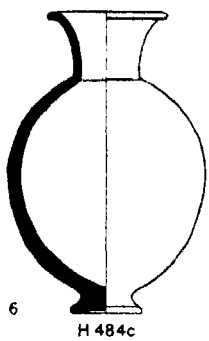
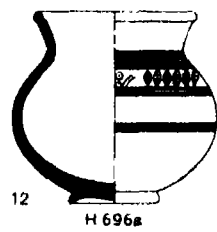
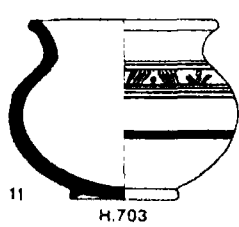
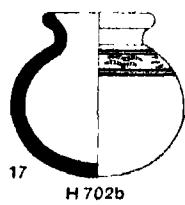
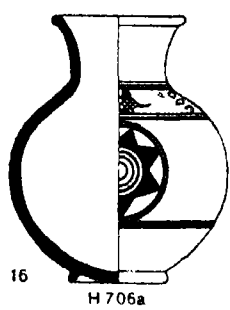
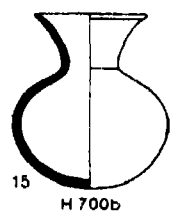
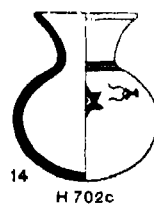
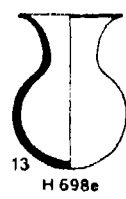
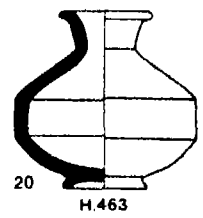
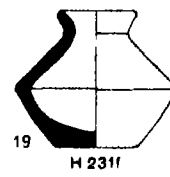
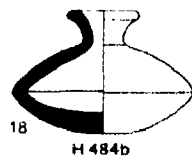
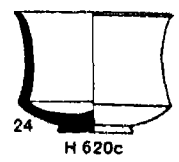
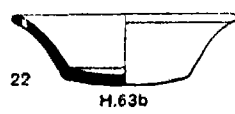
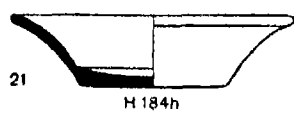
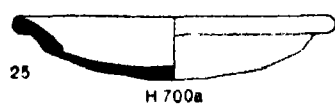
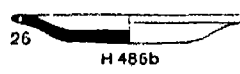
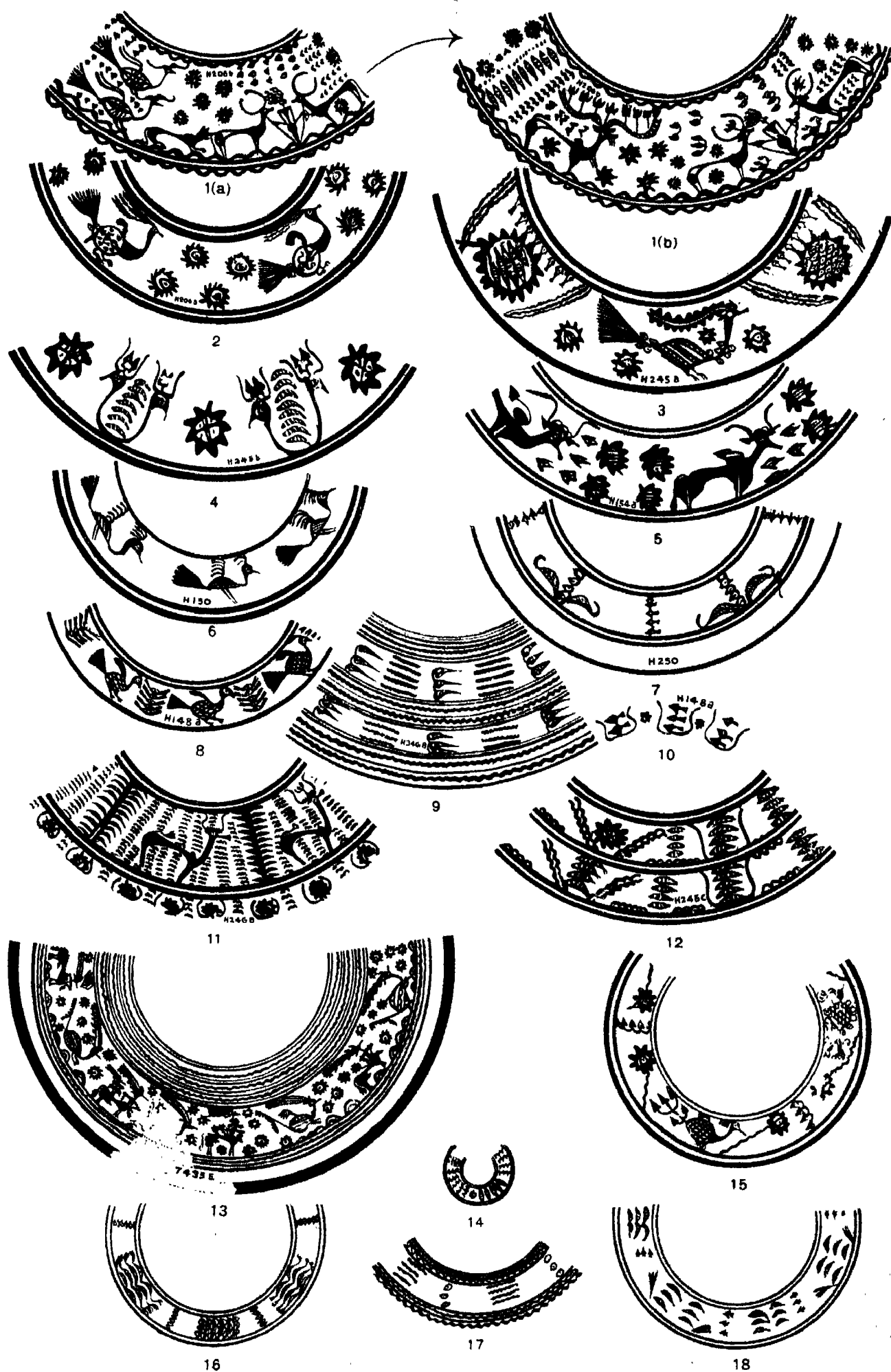
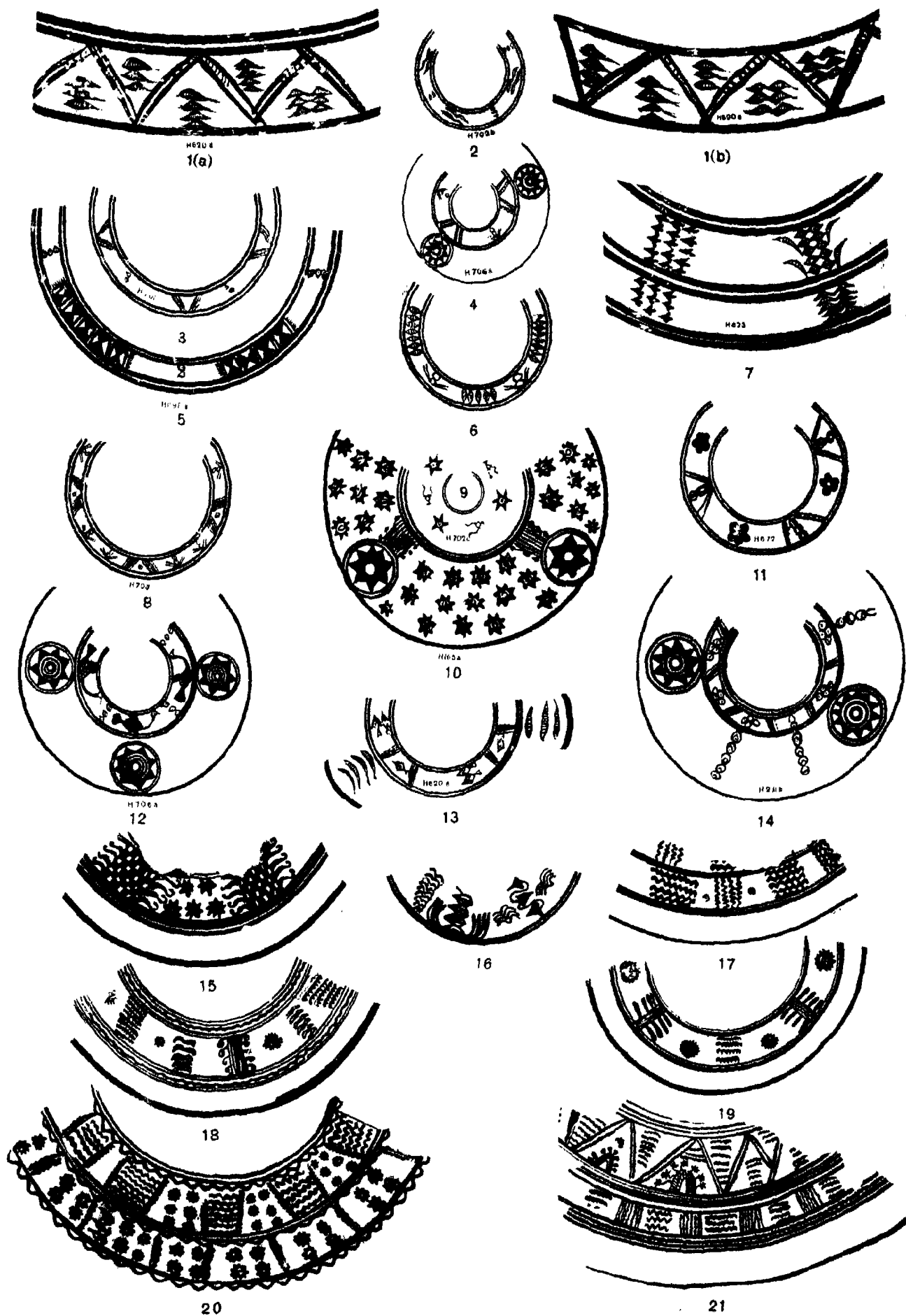
(*d*) Types of burial food-plates from Stratum II.

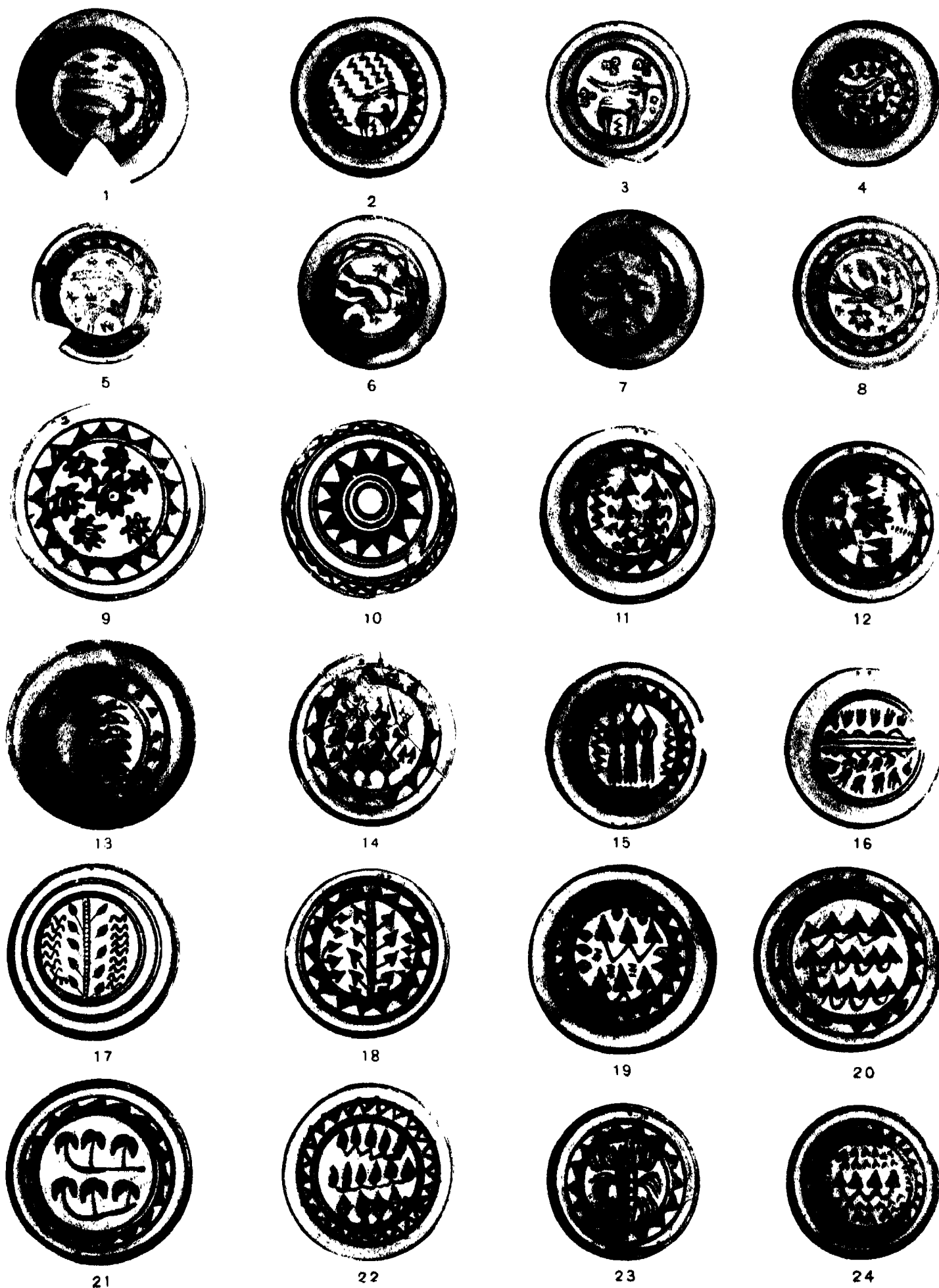
(a) AREA G, TRENCH III. GENERAL VIEW FROM SOUTH.

1 2 3 4 5 6 7 8 9

(b) CEMETERY H. FLASKS, ETC., MOSTLY OF STRATUM II.

1 2 3 4 5 6 7

(c) CEMETERY H. POTTERY OF STRATUM II.

(*a*) Types of burial-pots of stratum I with their covers.

(*b*) Types of pottery found with earth-burials of stratum II.

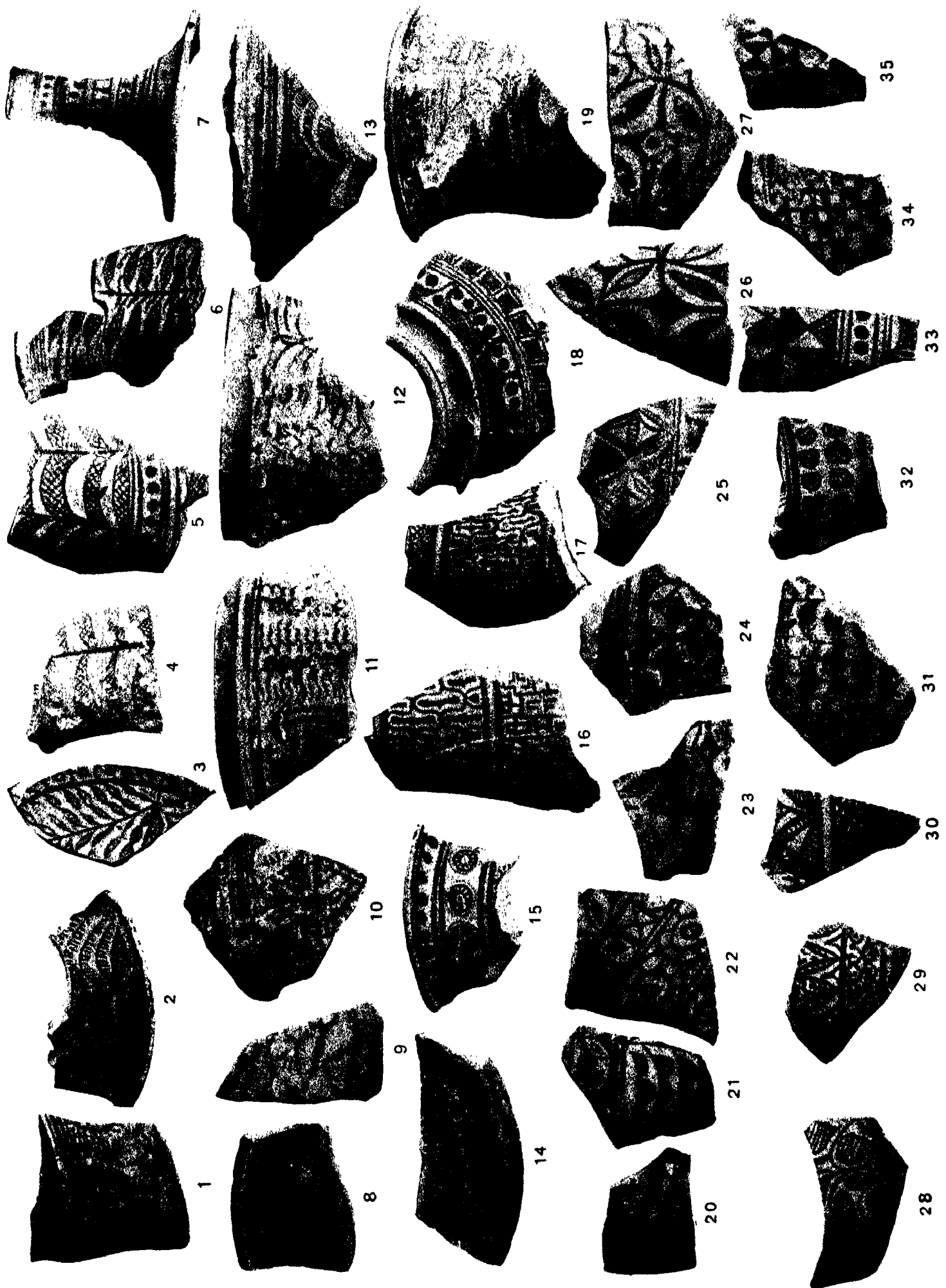
TYPE A
SCALE 1:12
1
H 245a
2
H 148a
3
H 250
4
7435b
SCALE 1:9
5
H 231a
6
H 245c
7
7435d
8
7435c
TYPE B
BOWLS
9
H 487a
10
H 184c
11
H 231e
ROUND JARS
TYPE C
TYPE D
CARINATED POTS
12
H 184b
13
H 165a
14
H 165b
15
H 284a
16
H 151b
TYPE D
CARINATED POT
TYPE E
WATER POTS
TYPE F
FOOD PLATES
17
H 620a
18
H.157a
19
H.698a
20
H 487a
21
H 506
22
H 487c

TYPE G
SCALE 1.6
1 H 132
2 H 184b
3 H 62a
4 H 164
5 H 464c
SCALE 1:4
6 H 484c
7 H 62b.
8 H 165a
9 H 706b
10 H.701
TYPE H
WATER POTS
TYPE I
ROUND VASES
11 H.703
12 H 696a
13 H 698e
14 H 702c
15 H 700b
TYPE J
MISCELLANEOUS VASES
16 H 706a
17 H 702b
18 H 484b
19 H 231f
20 H.463
TYPE K
SAUCERS
21 H 184h
22 H.63b
23 H 486b
24 H 620c
TYPE L
PLAIN DISH
TYPE M
FLAT COVERS
25 H 700a
26 H 486b
27 H 501c

CEMETERY H. PAINTINGS ON BURIAL JARS.

CEMETERY H. PAINTINGS ON BURIAL JARS.

CEMETERY H. PAINTINGS ON THE UNDERSIDE OF FLAT COVERS FROM STRATUM II.

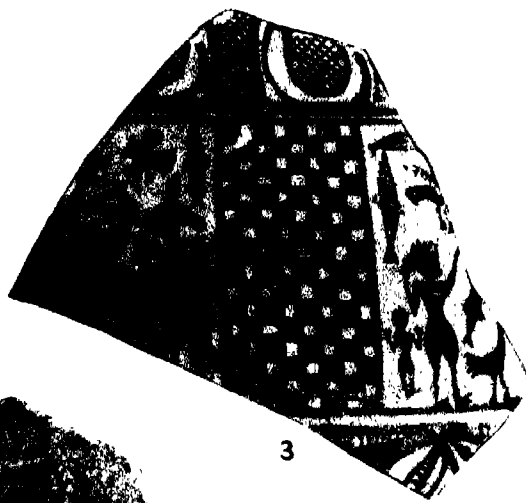
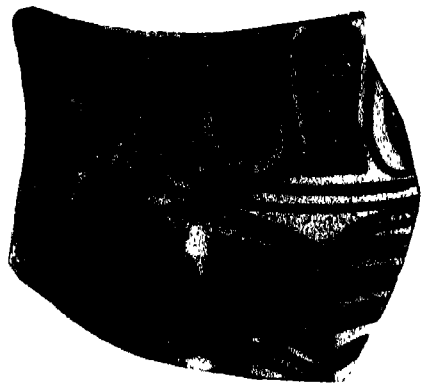
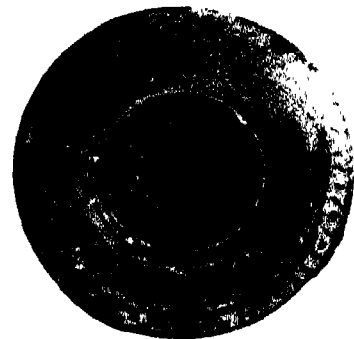
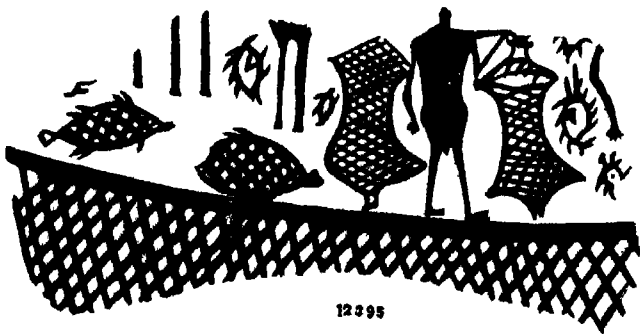
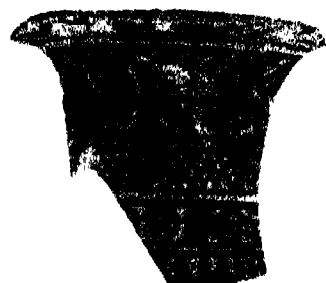
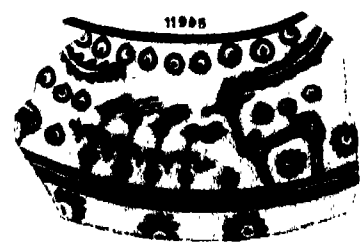
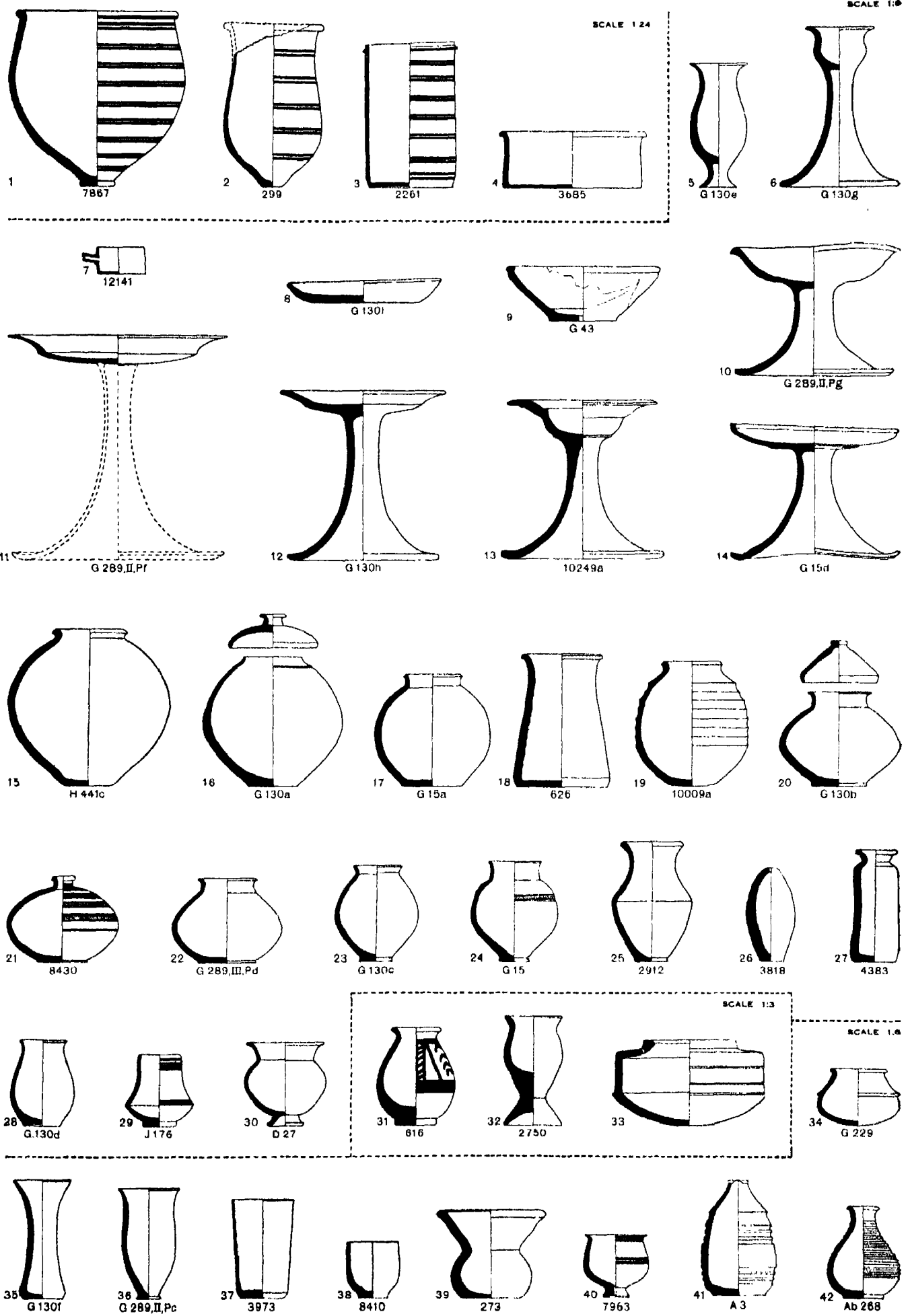
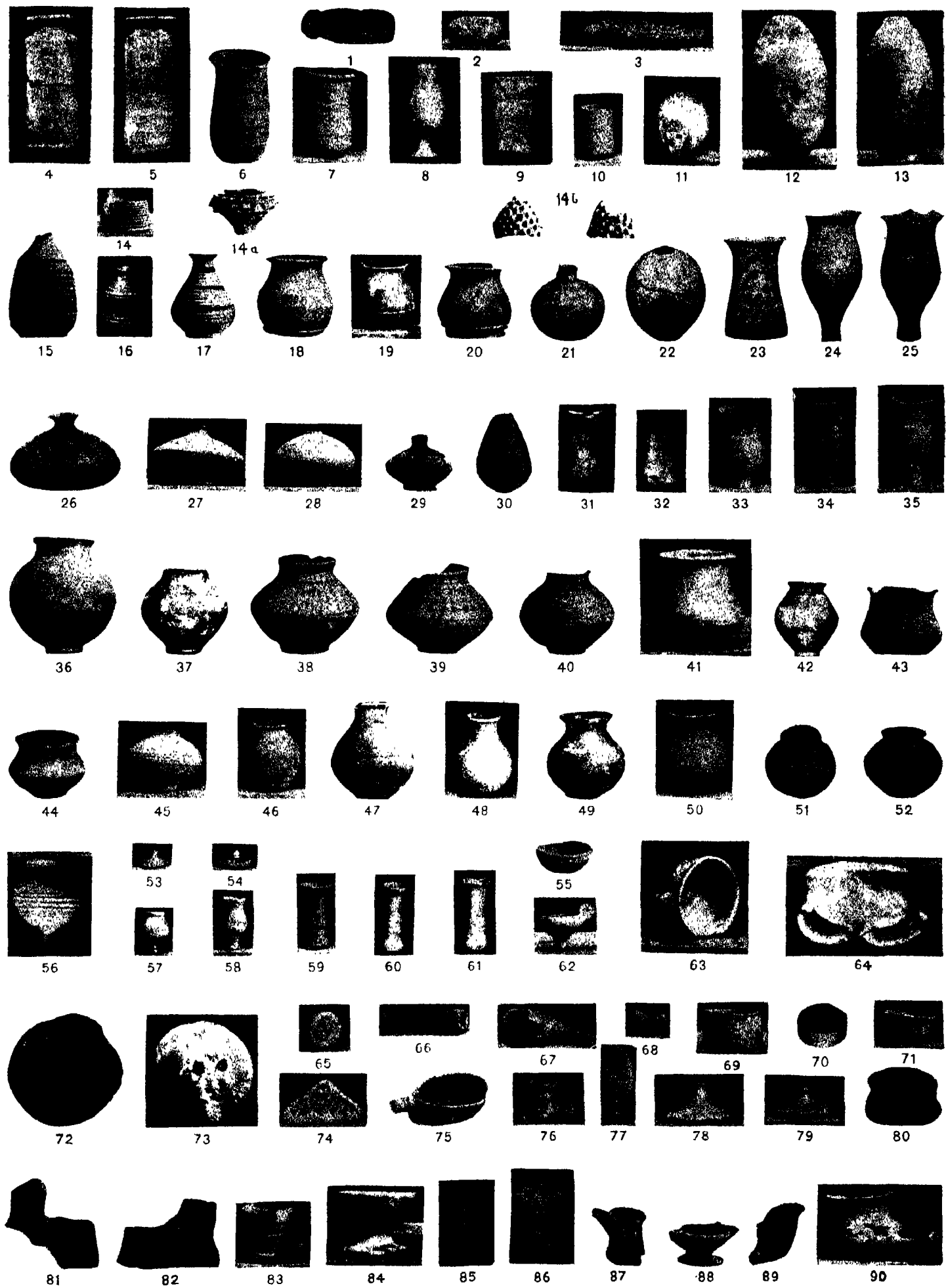
PAINTED SHERDS FROM MOUNDS TYPICAL OF BURIAL POTTERY.

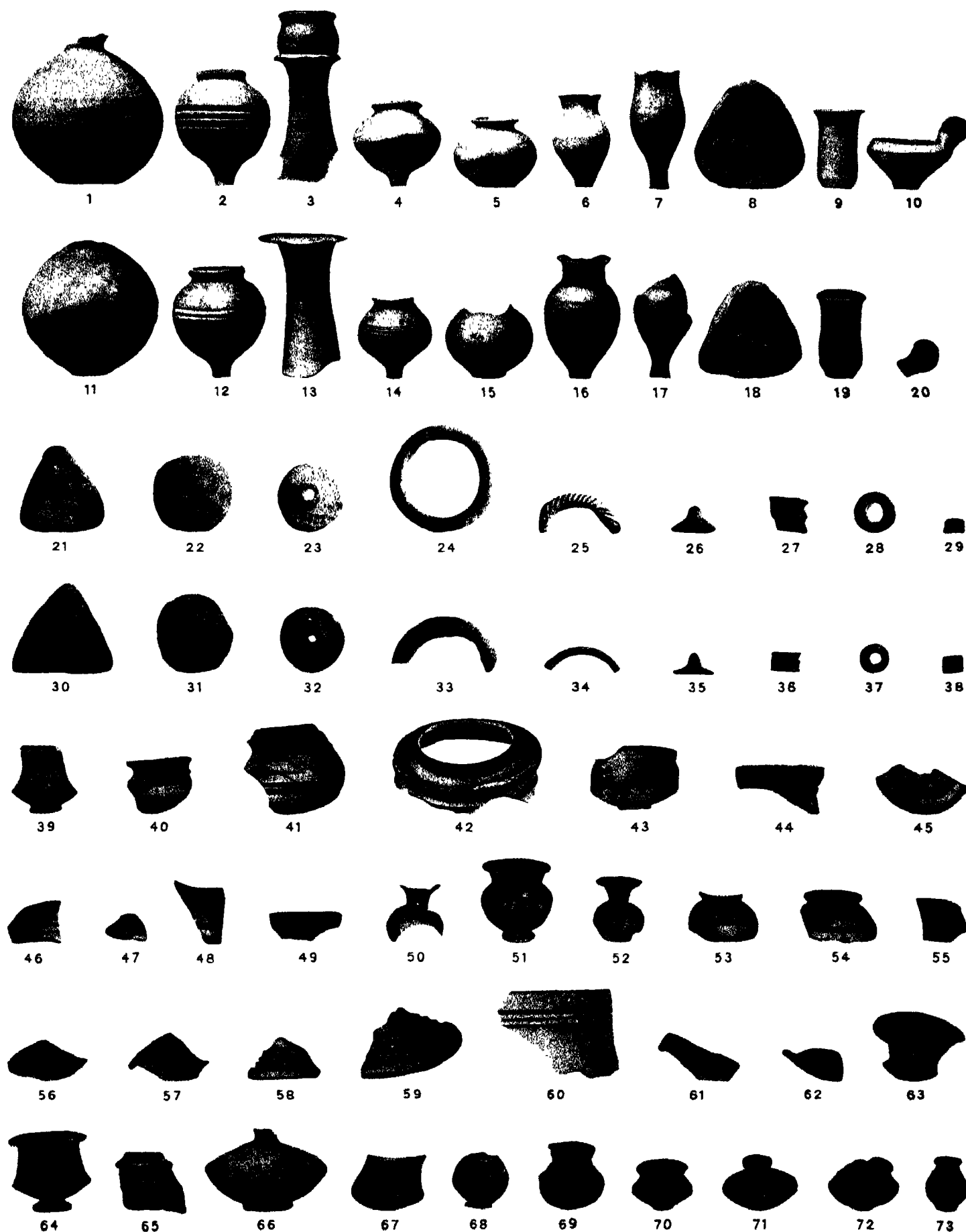
PLATE LXVI.

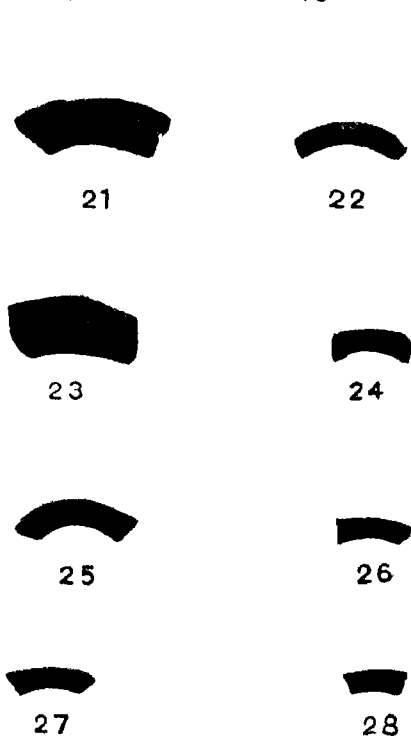
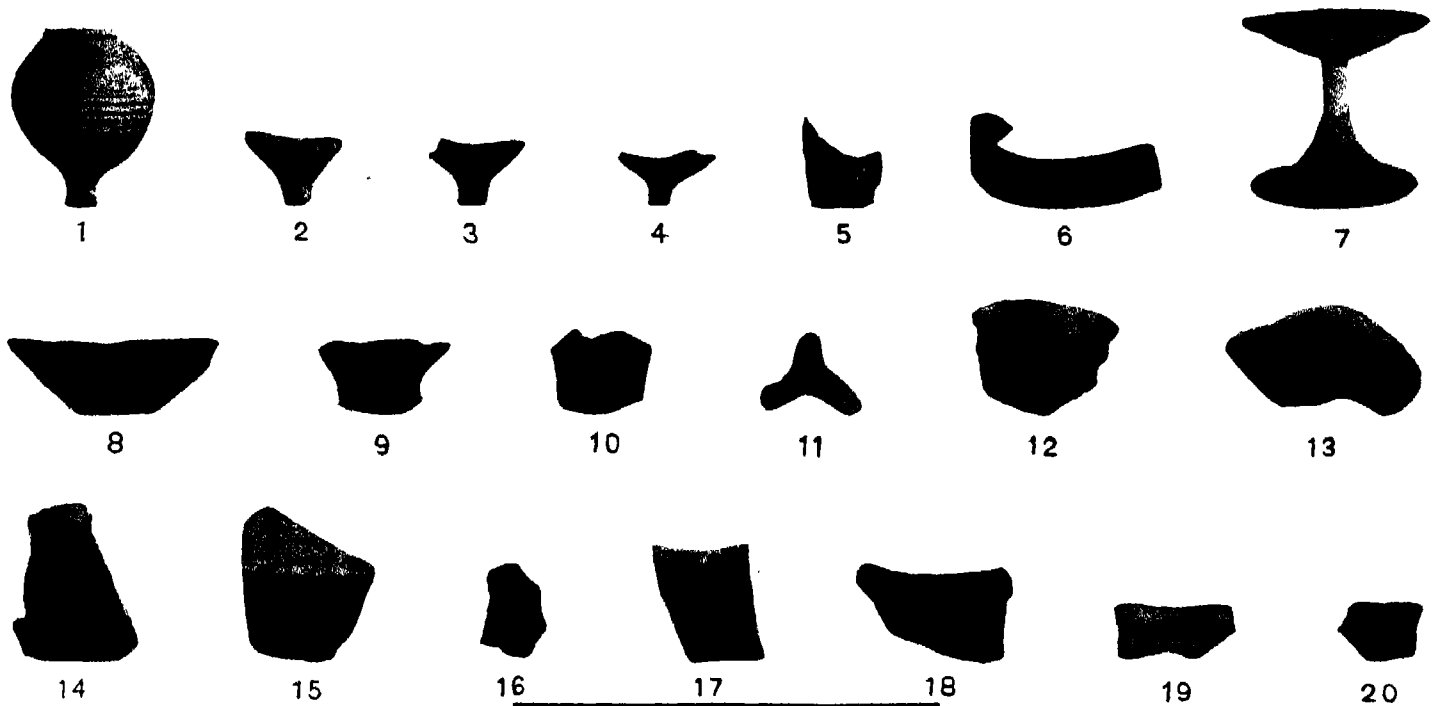
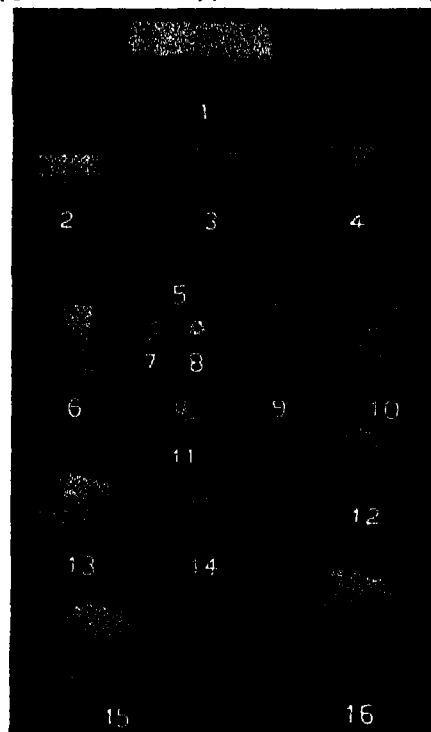
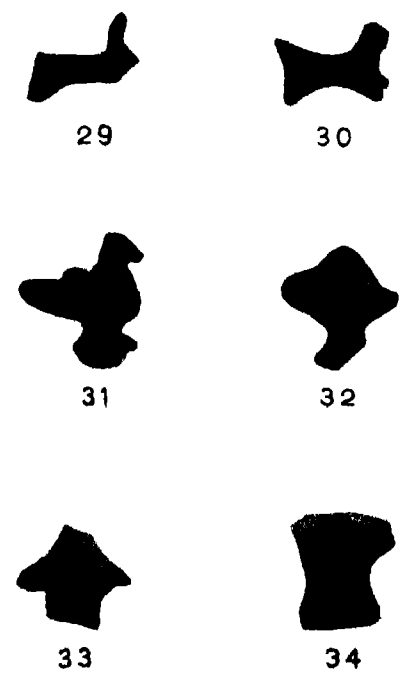
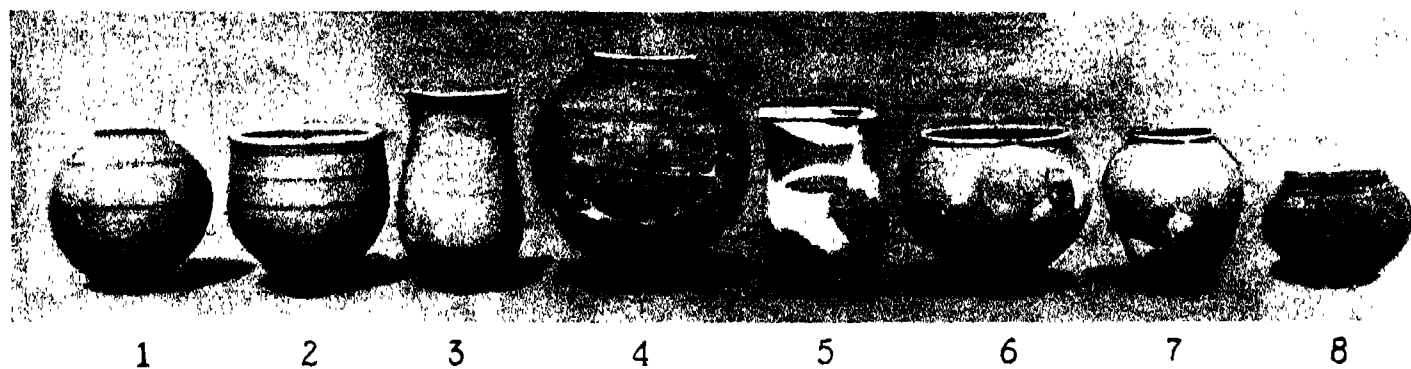
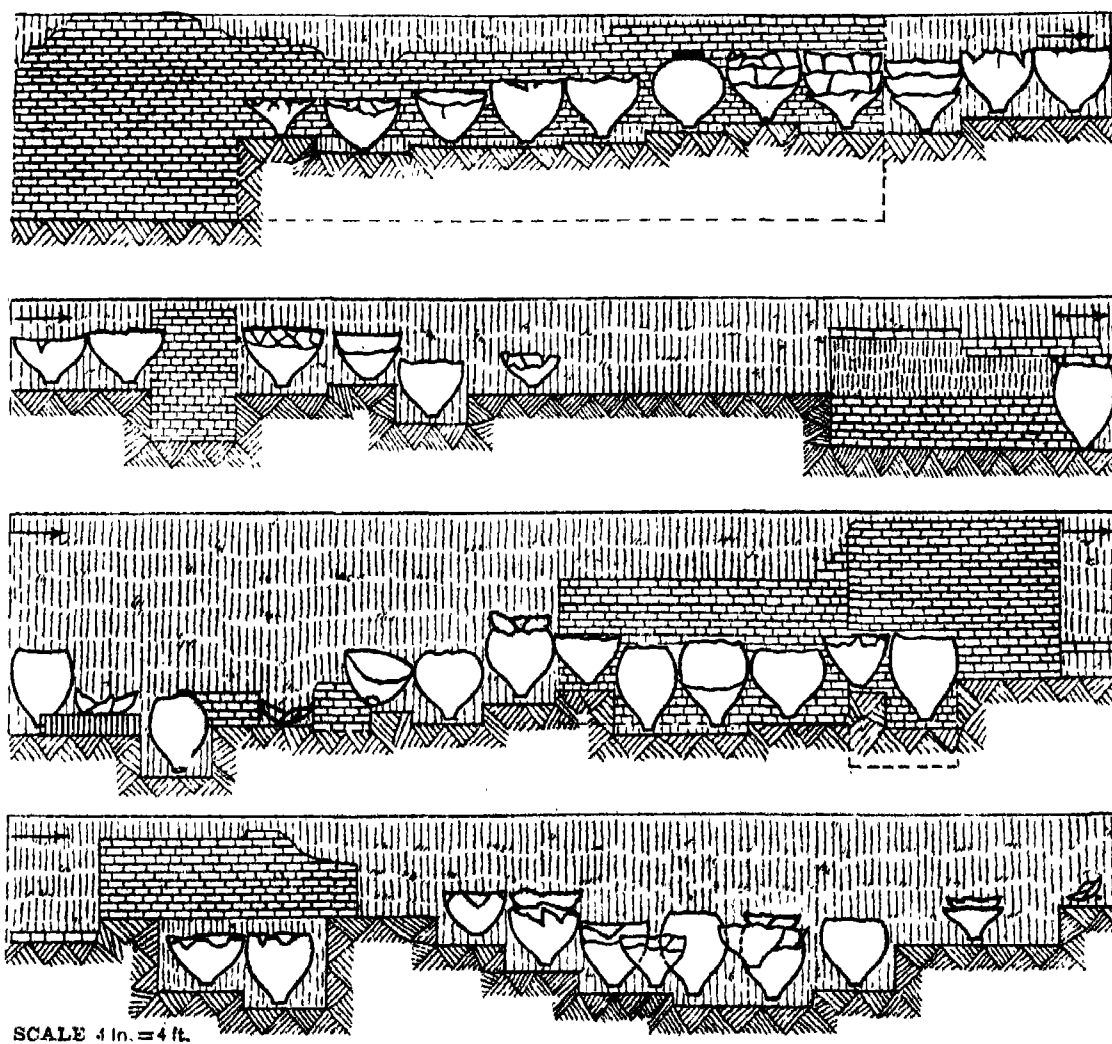
PAINTED SHERDS FROM MOUNDS TYPICAL OF BURIAL POTTERY.

PLATE LXVII.

PAINTED SHERDS FROM MOUNDS TYPICAL OF HOUSEHOLD VESSELS.

PAINTED SHERDS FROM MOUNDS TYPICAL OF HOUSEHOLD VESSELS.

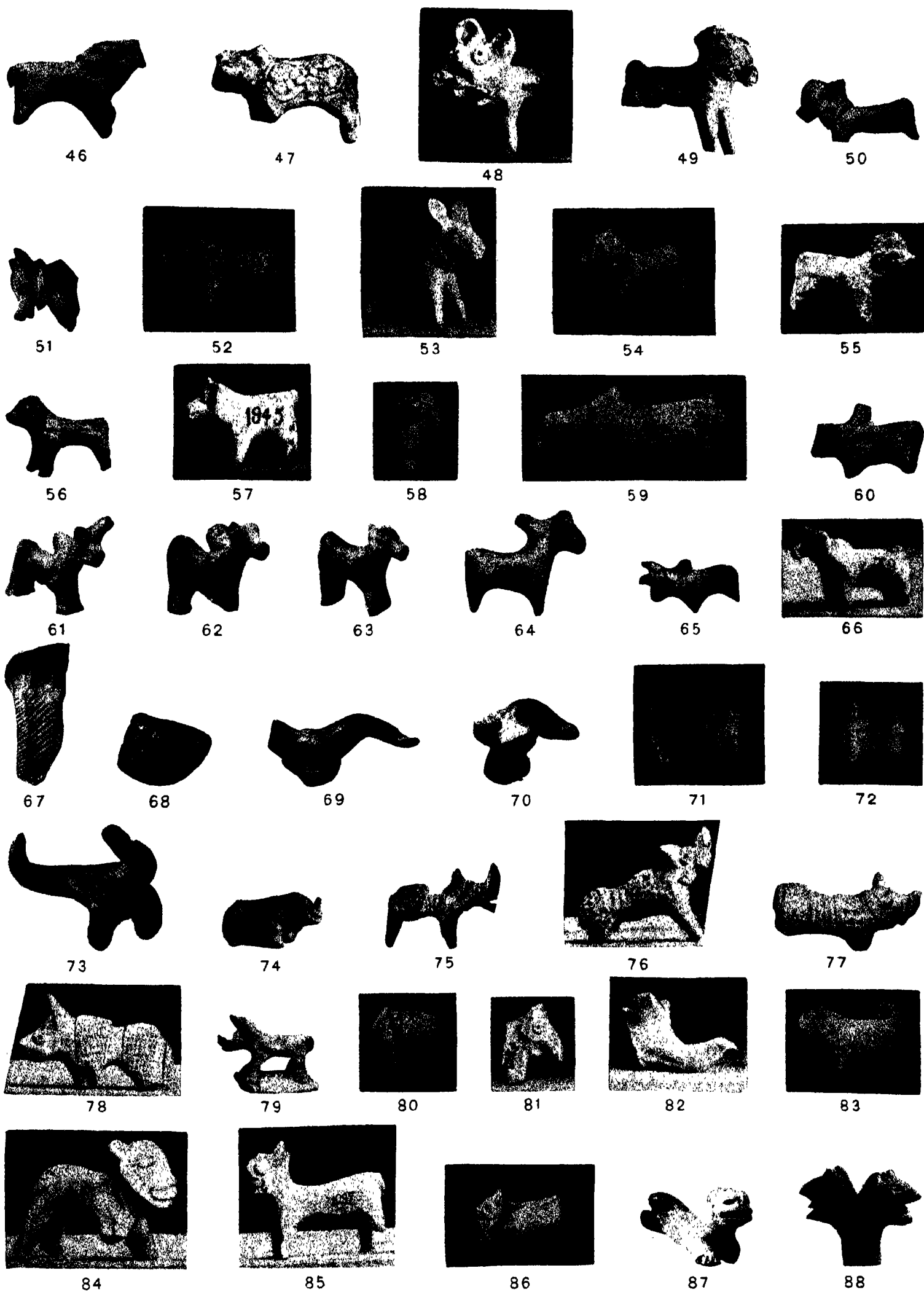
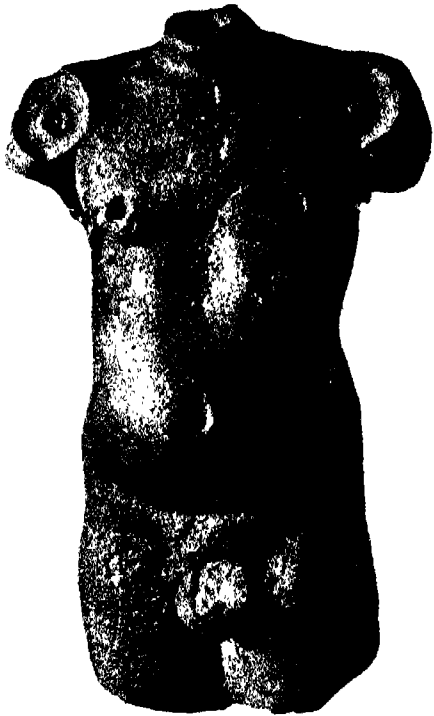
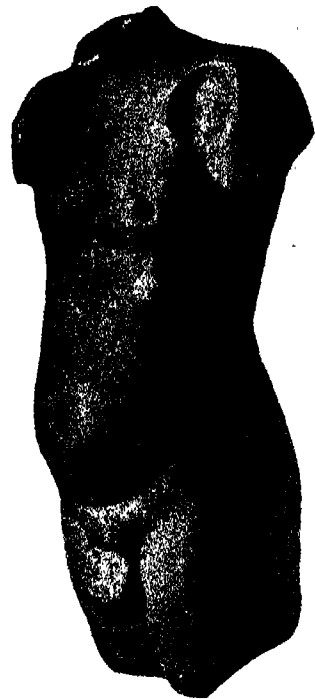
Painted Pottery from the Mounds.

SCALE 1:24
SCALE 1:8
SCALE 1:3
SCALE 1:6
1 7867
2 299
3 2261
4 3685
5 G 130e
6 G 130g
7 12141
8 G 130i
9 G 43
10 G 289,II,Pg
11 G 289,II,Pf
12 G 130h
13 10249a
14 G 15d
15 H 441c
16 G 130a
17 G 15a
18 626
19 10009a
20 G 130b
21 8430
22 G 289,III,Pd
23 G 130c
24 G 15
25 2912
26 3818
27 4383
28 G.130d
29 J 176
30 D 27
31 616
32 2750
33
34 G 229
35 G 130f
36 G 289,II,Pc
37 3973
38 8410
39 273
40 7963
41 A 3
42 Ab 268

MISCELLANEOUS POTTERY.

VESSELS AND MISCELLANEOUS OBJECTS OF TERRACOTTA.

MISCELLANEOUS OBJECTS FROM HARAPPA AND KOTLA NIHANG, AND POTTERY TYPICAL OF CEMETERY H FROM HARAPPA.

(*a*) COMMON TYPES OF HOUSEHOLD JARS FROM HARAPPA.

(*c*) POTTERY OBJECTS.

(*b*) MISCELLANEOUS OBJECTS FROM CHAK PURBANE SIYAL.

(*c*) POTTERY OBJECTS.

(*a*) COMMON TYPES OF POST-CREMATION URNS.

MOUND AB, TRENCH AT THE SOUTHERN EDGE.
ROW OF POST-CREMATION URNS, LOOKING SOUTH.

TERRACOTTA HUMAN FIGURINES.

TERRACOTTA HUMAN FIGURINES.

Animal Figurines of terracotta, faience, stone, etc.

ANIMAL FIGURINES OF TERRACOTTA, FAIENCE, STONE, ETC.

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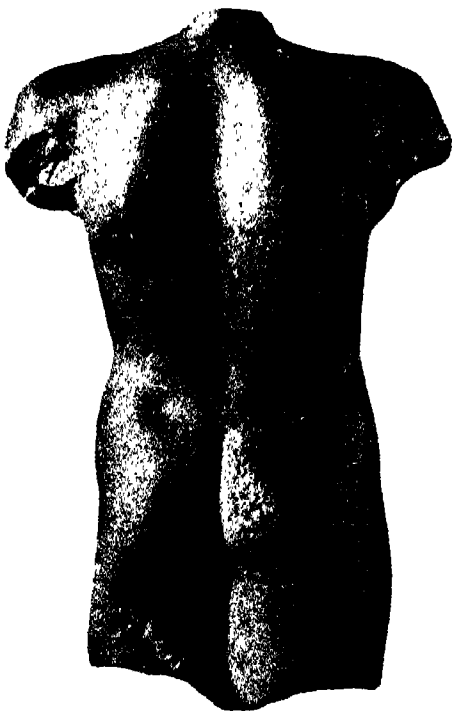
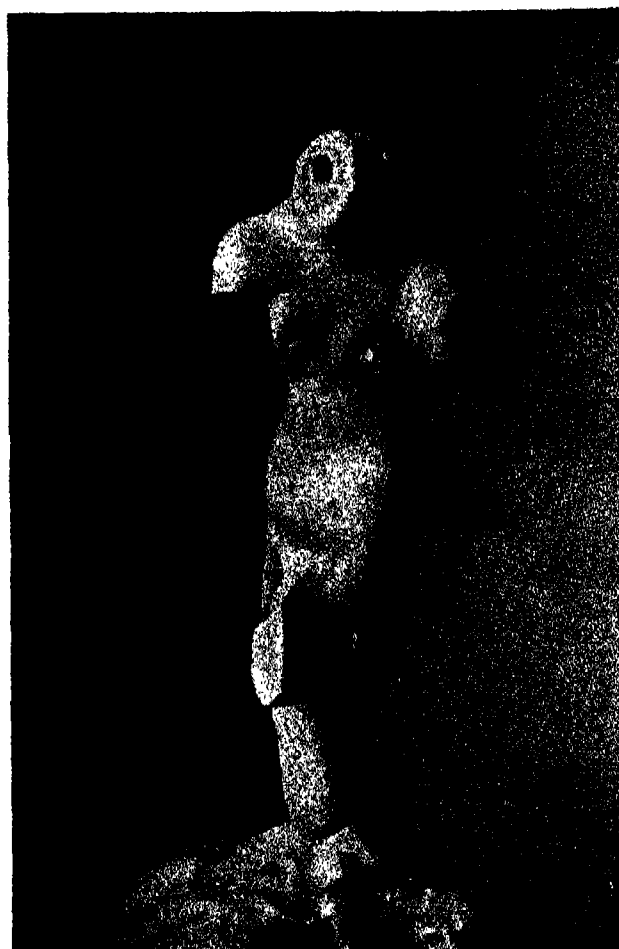
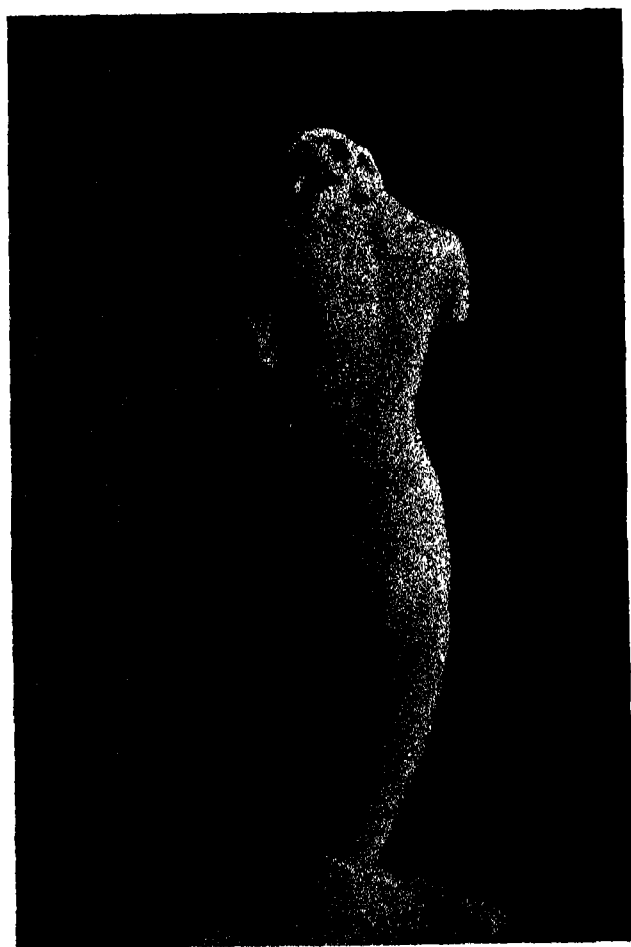
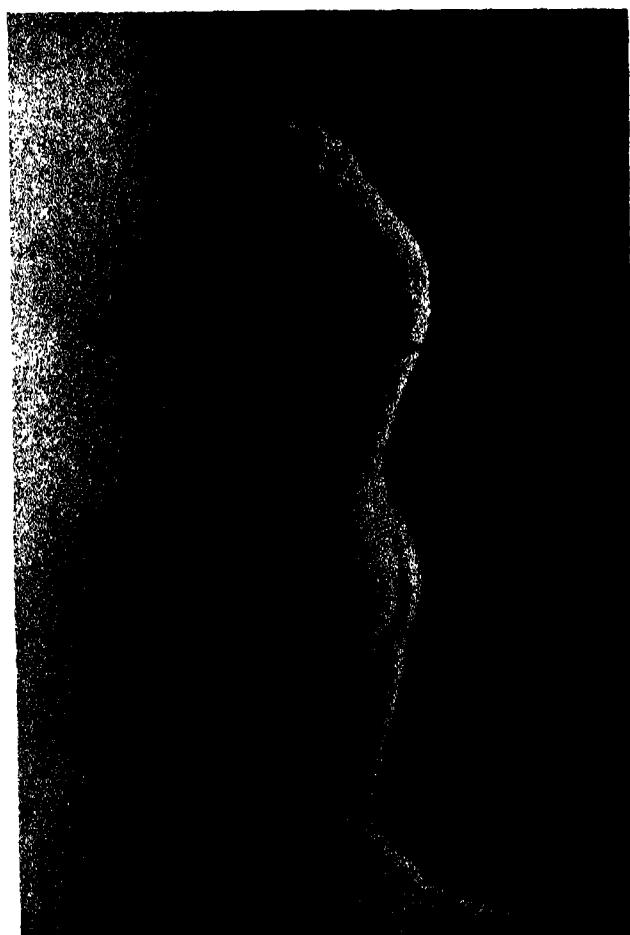
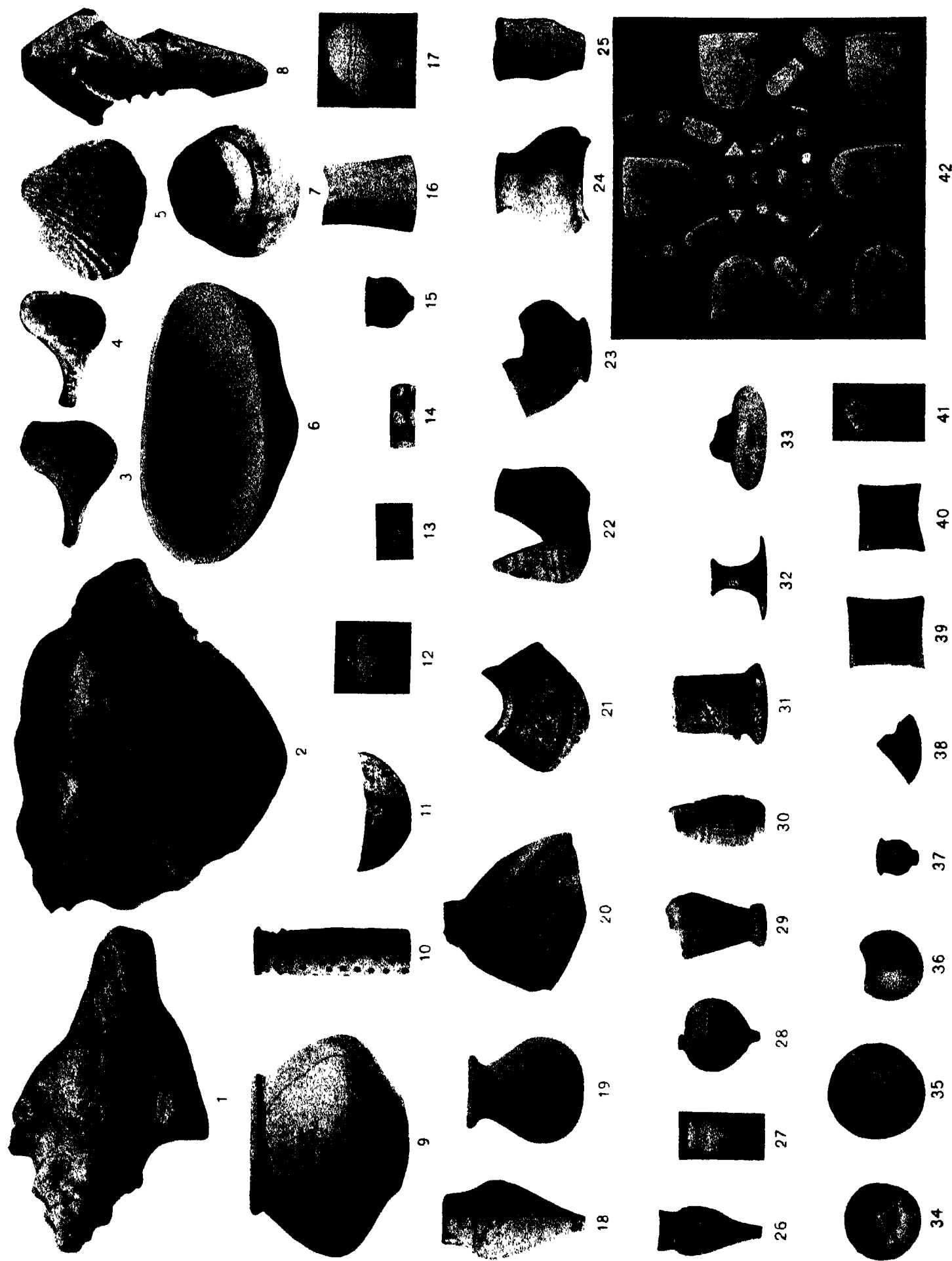

(c) (d)

STATUETTE OF RED SANDSTONE No. 9042 FROM TRENCH IV.

(a) (b) (c) (d)

Statuette of grey stone No. Ab 959 from the central aisle of the Great Granary.

MISCELLANEOUS OBJECTS OF *sankh*, FAIENCE AND STONE.

STONE VESSELS, MACE-HEADS AND OBJECTS OF TECHNICAL INTEREST IN STONE AND FAIENCE.

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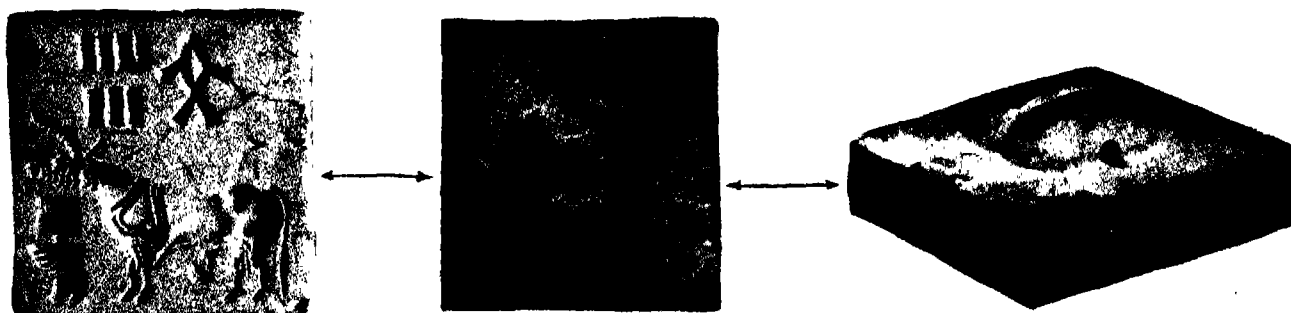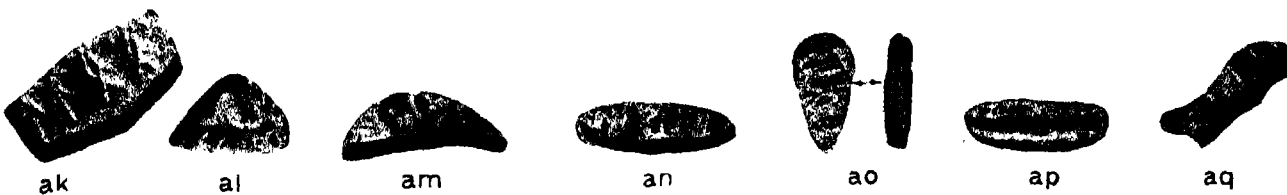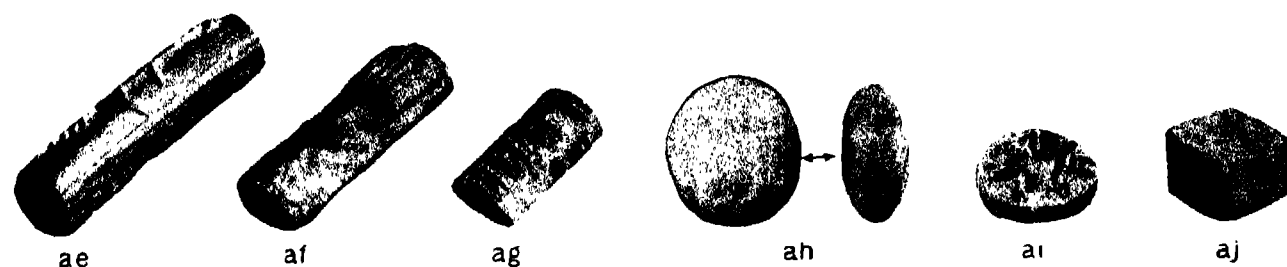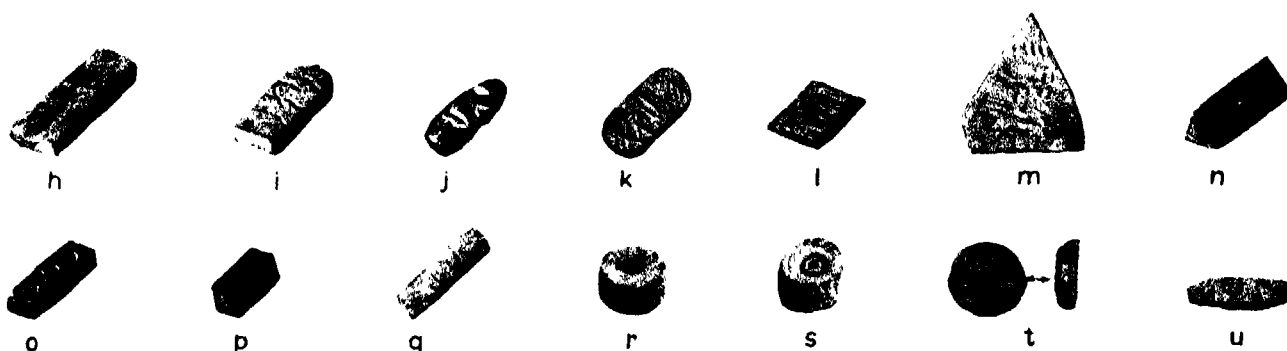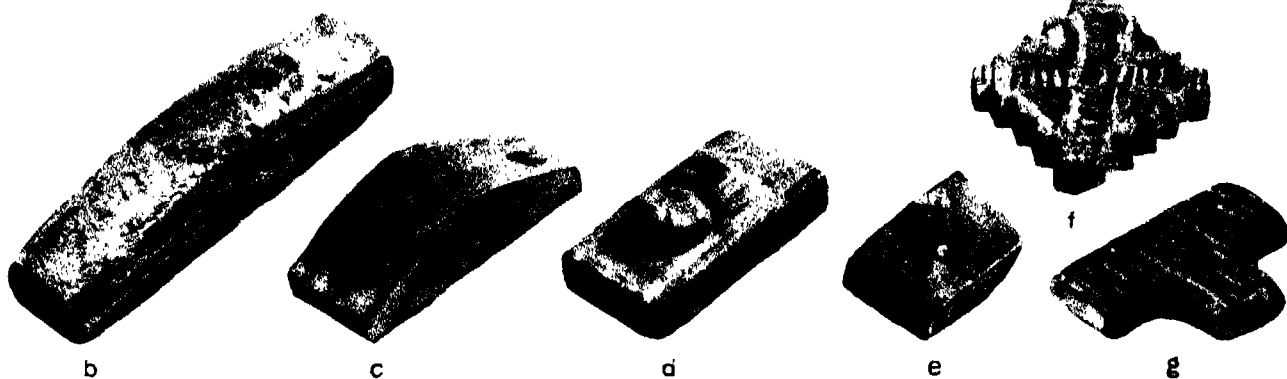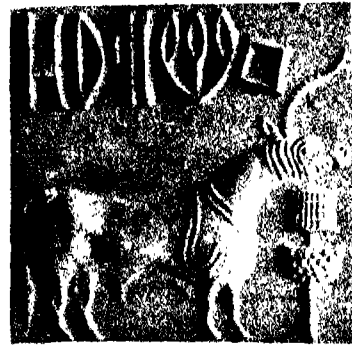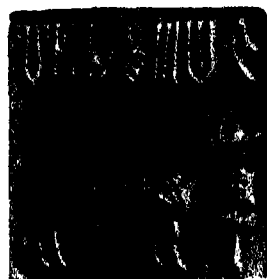
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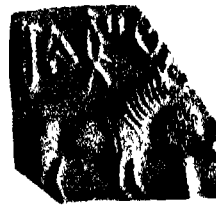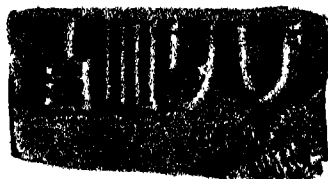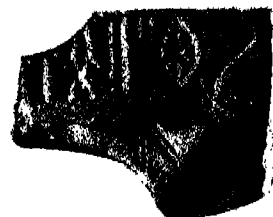
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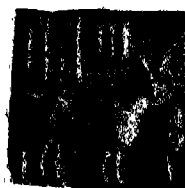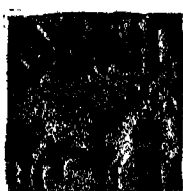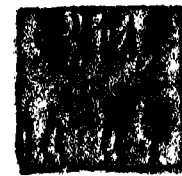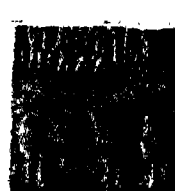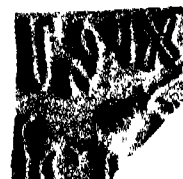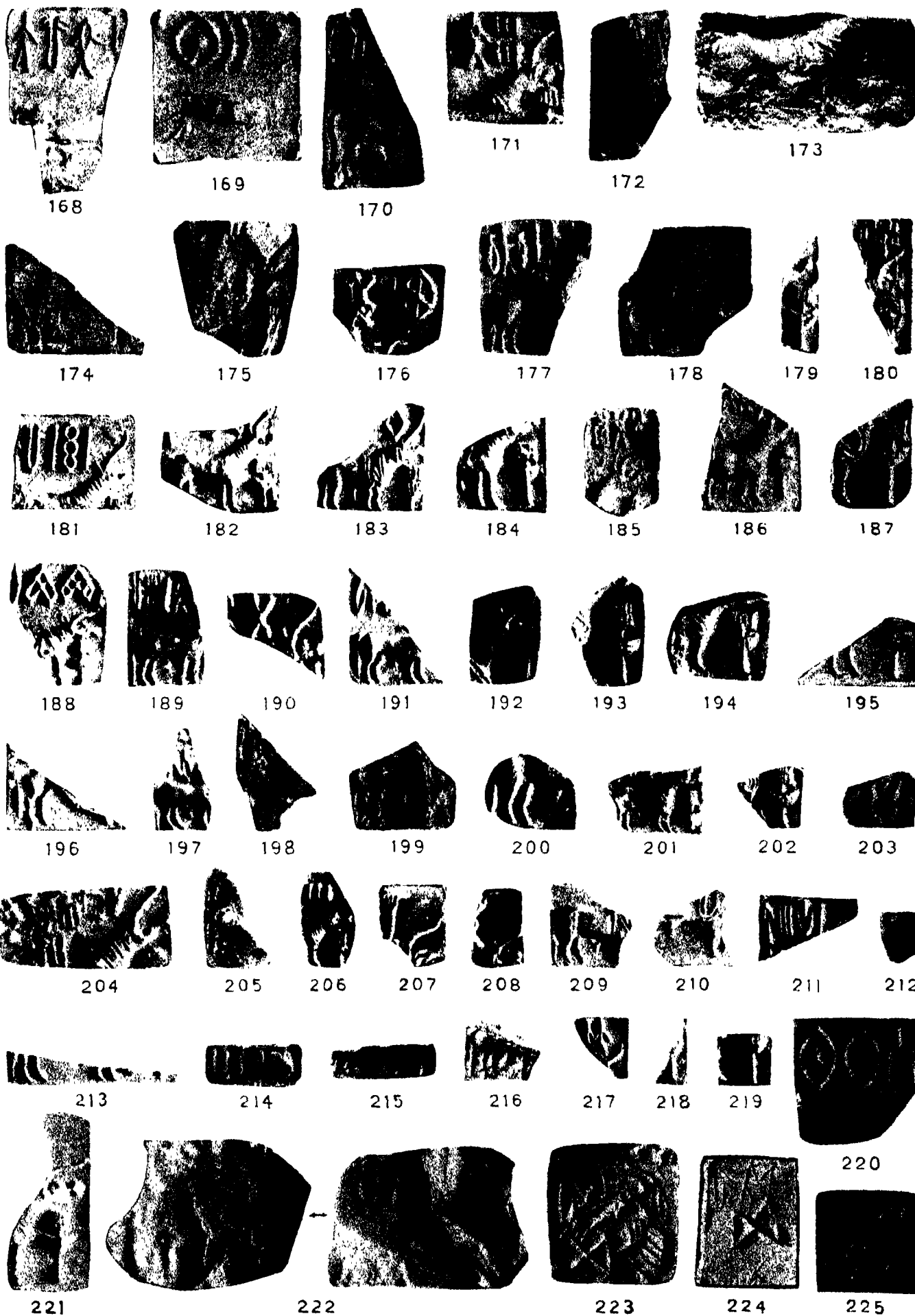
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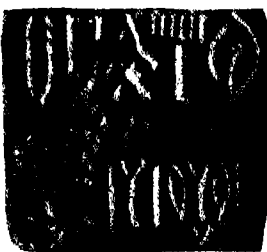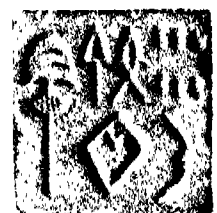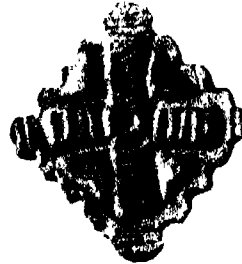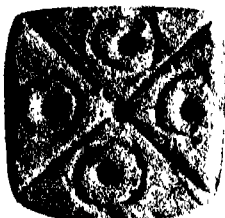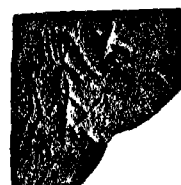
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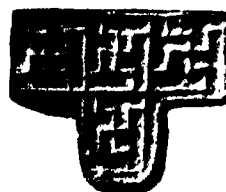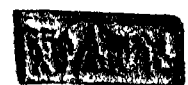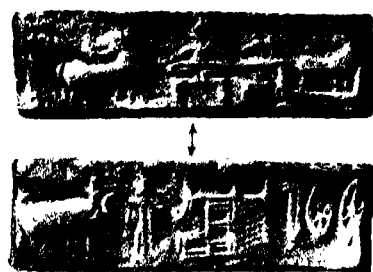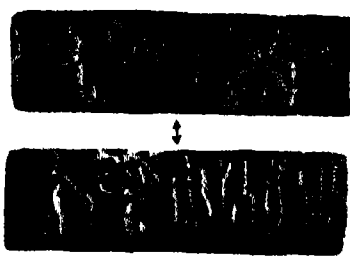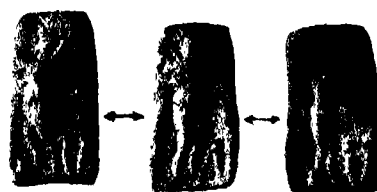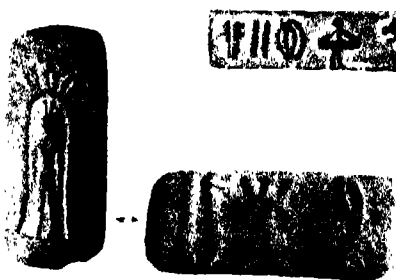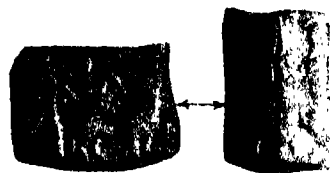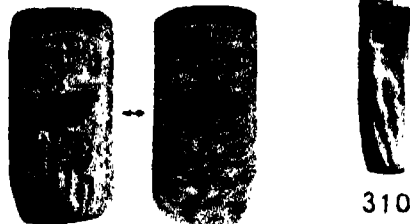
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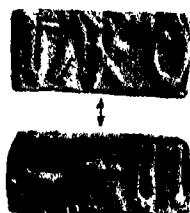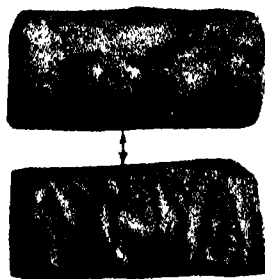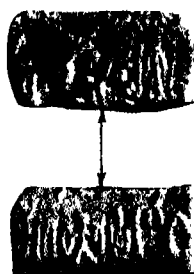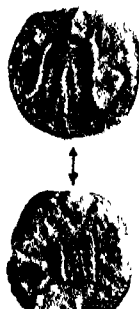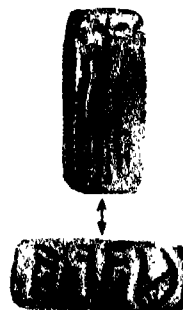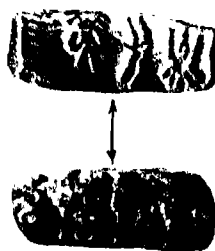
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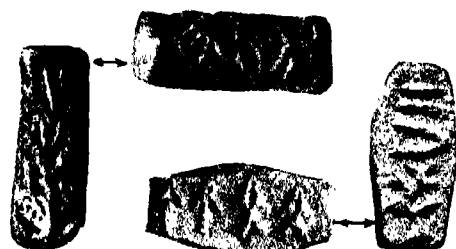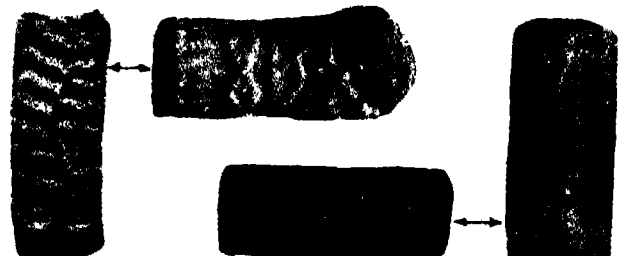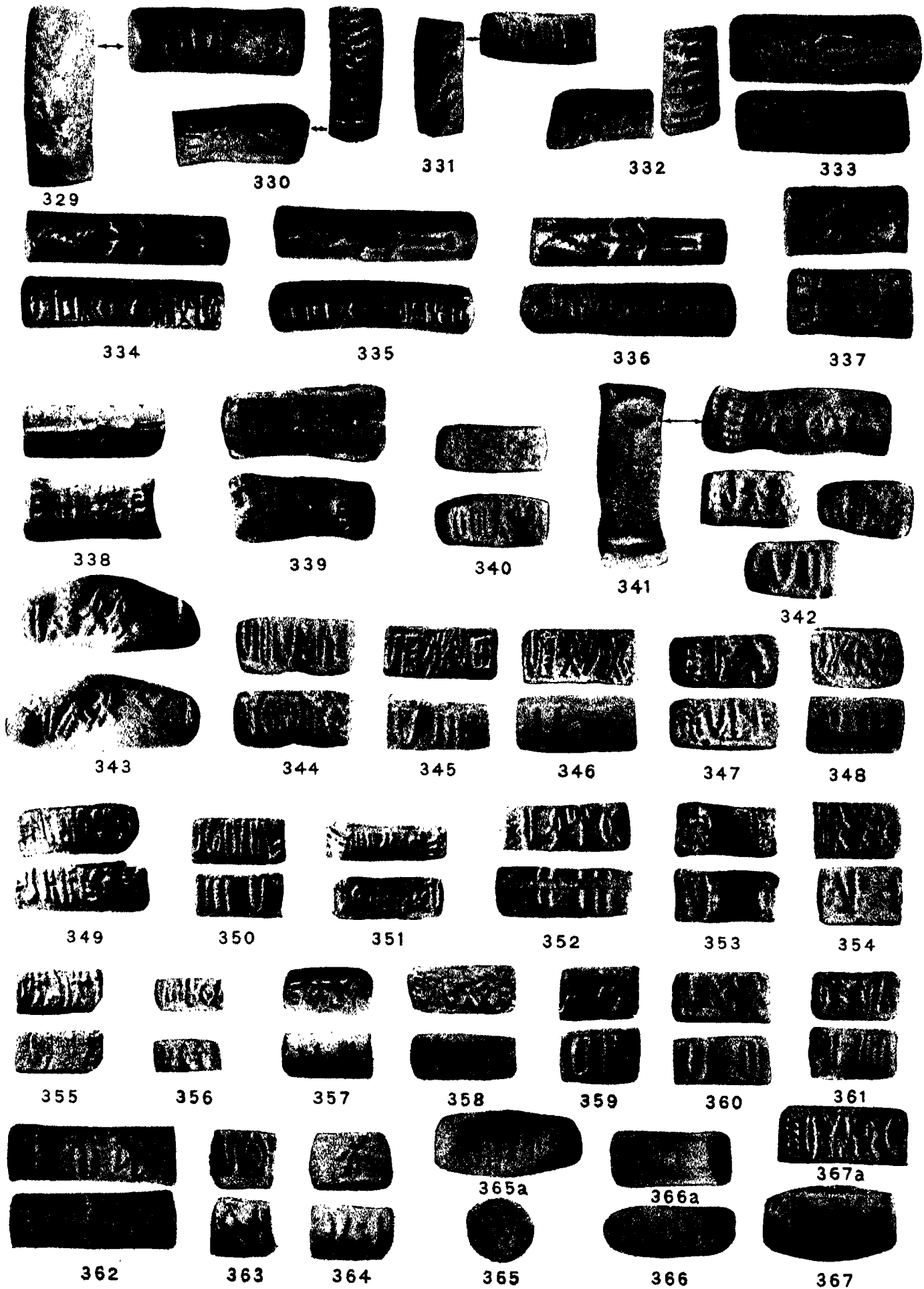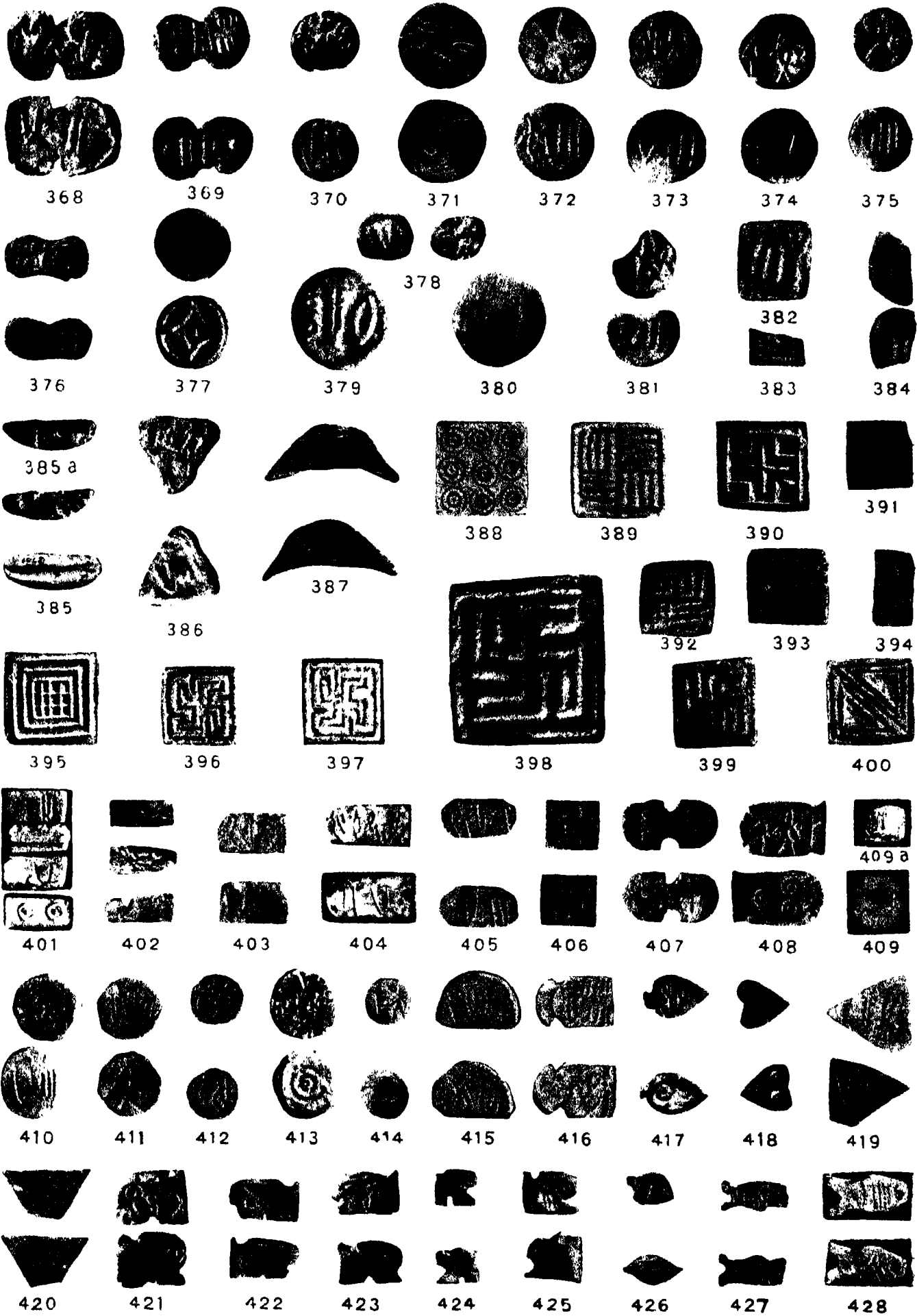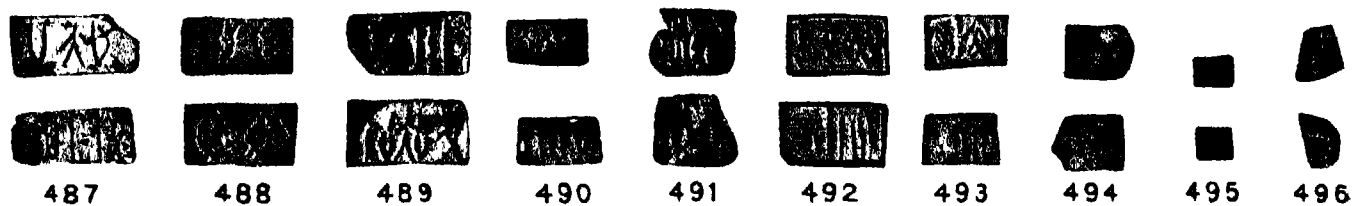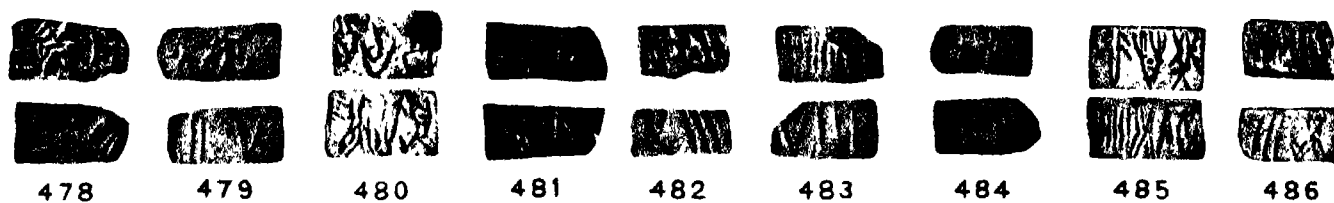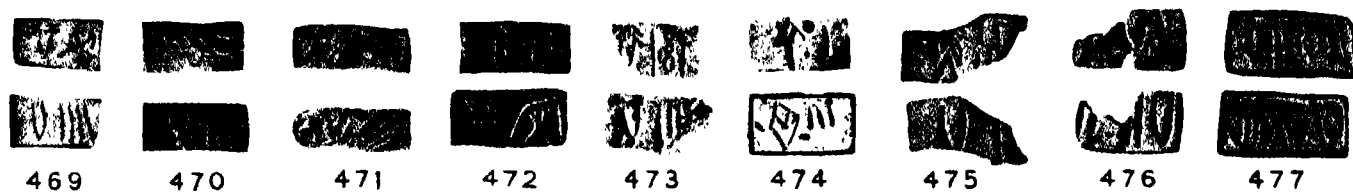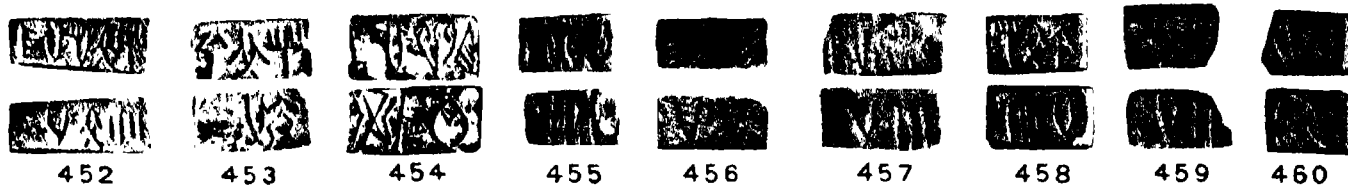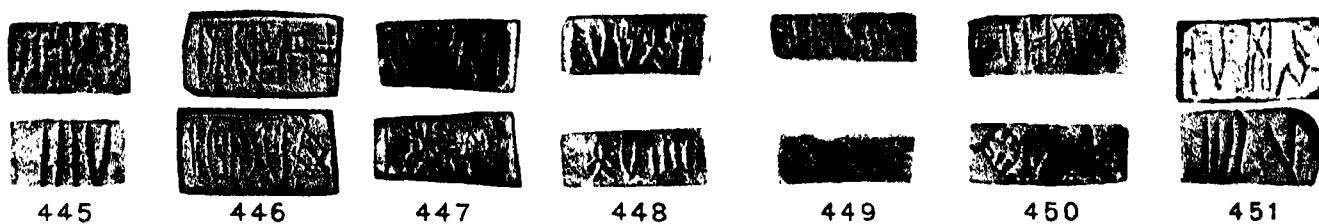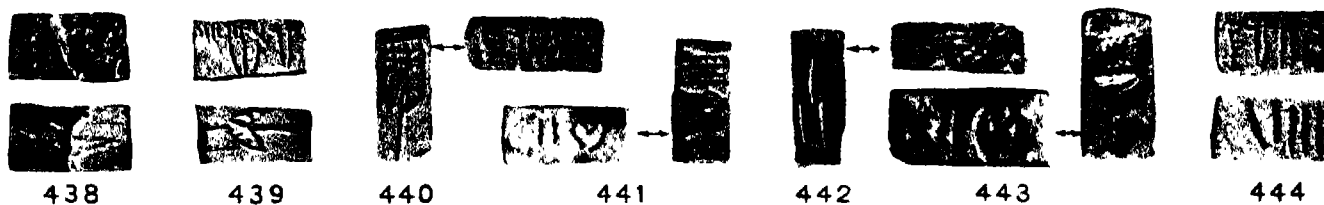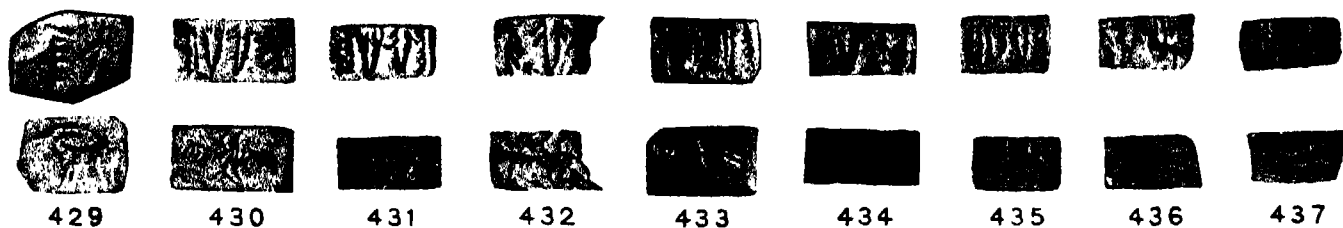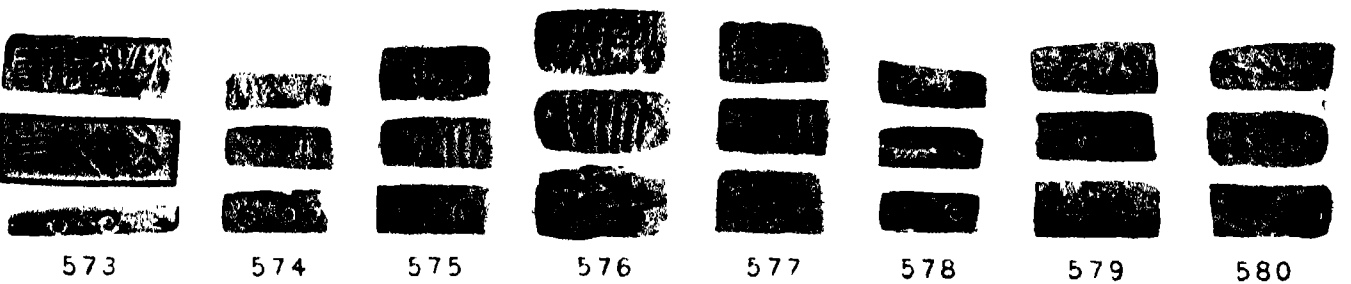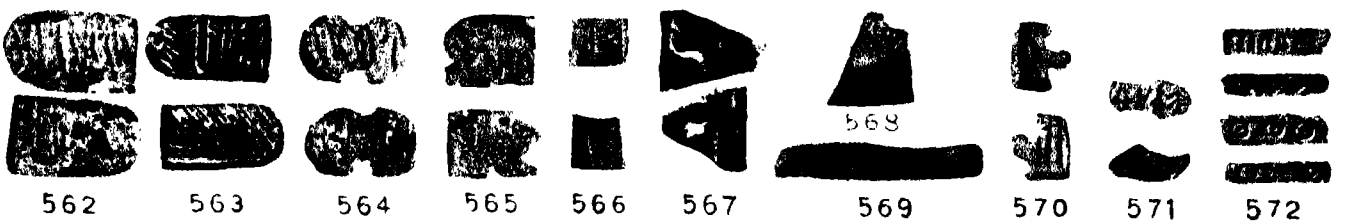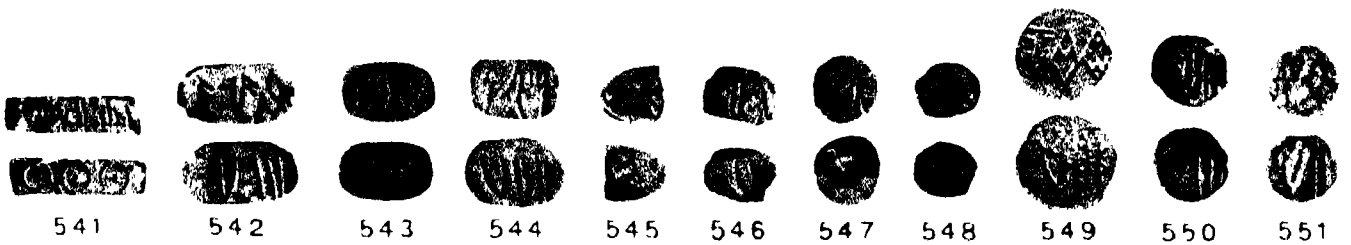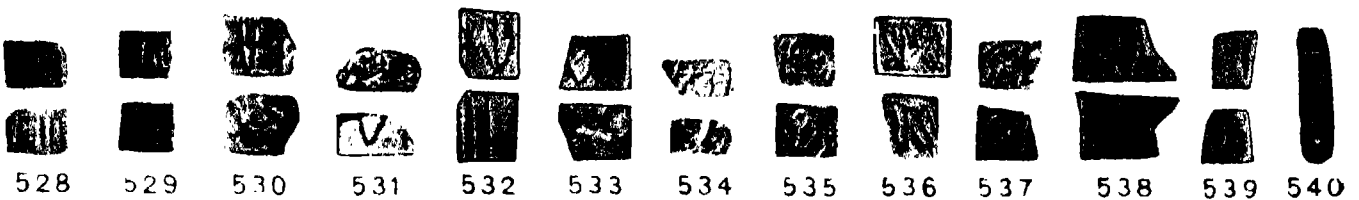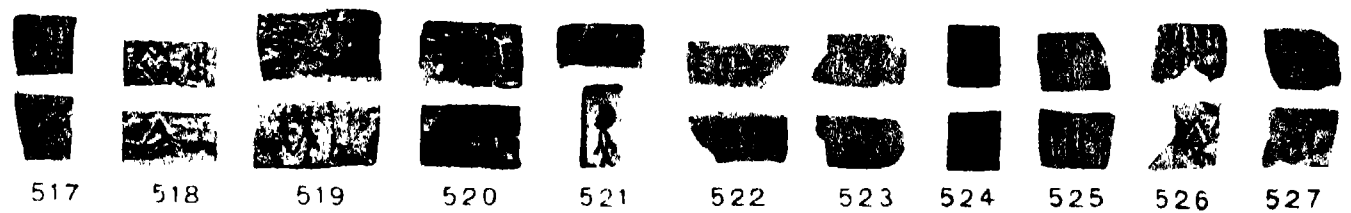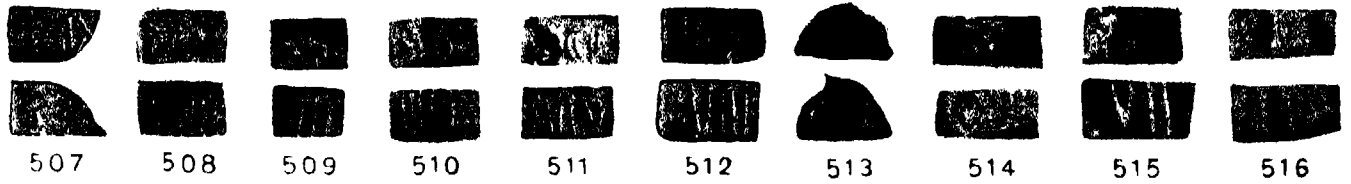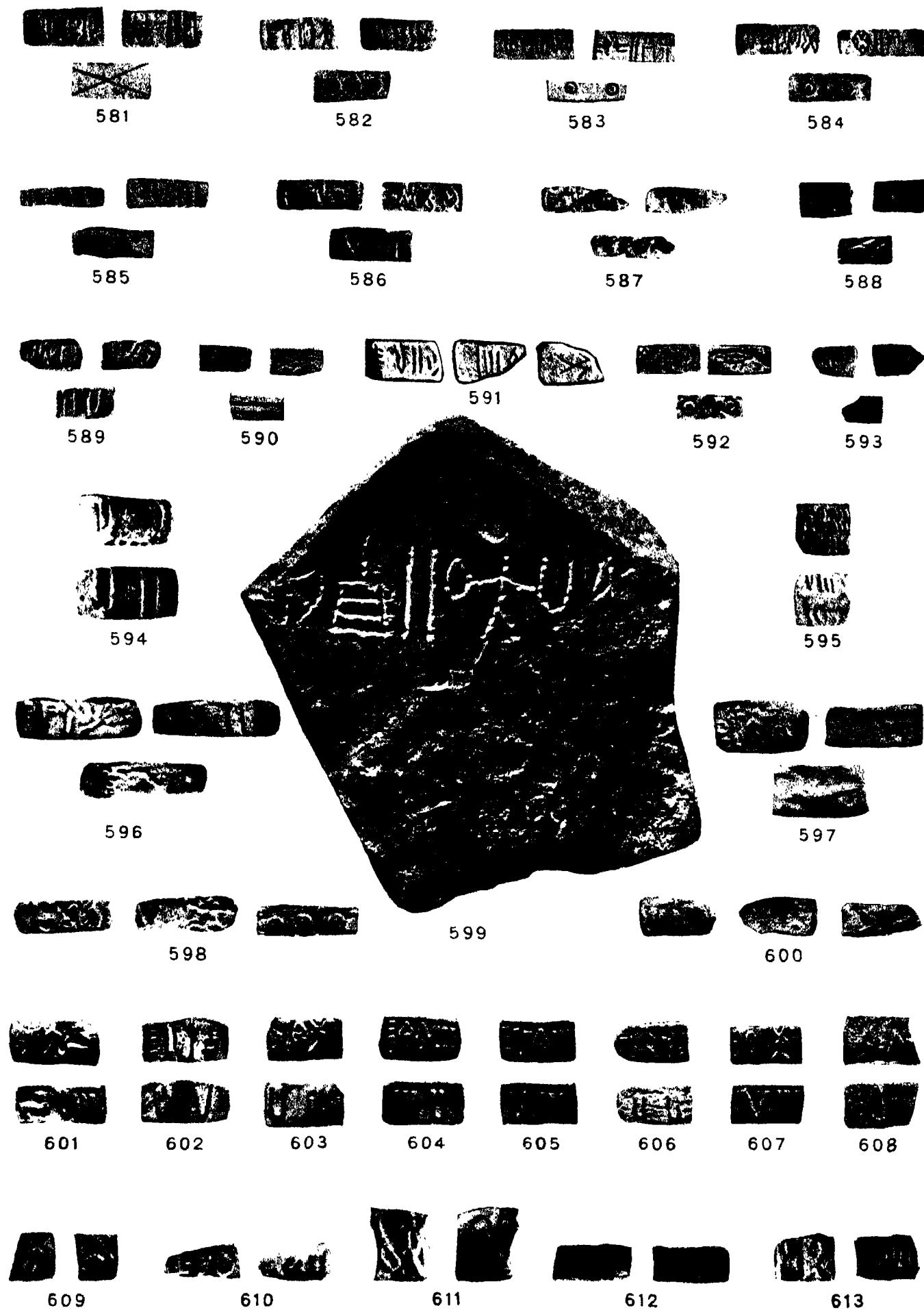
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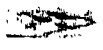
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SEALS, SEALINGS, INSCRIBED BALL AND POTTERY.

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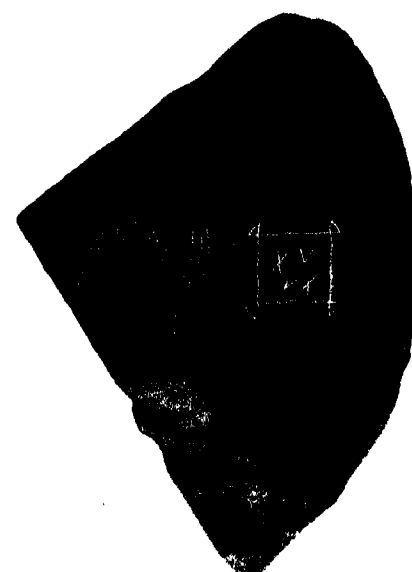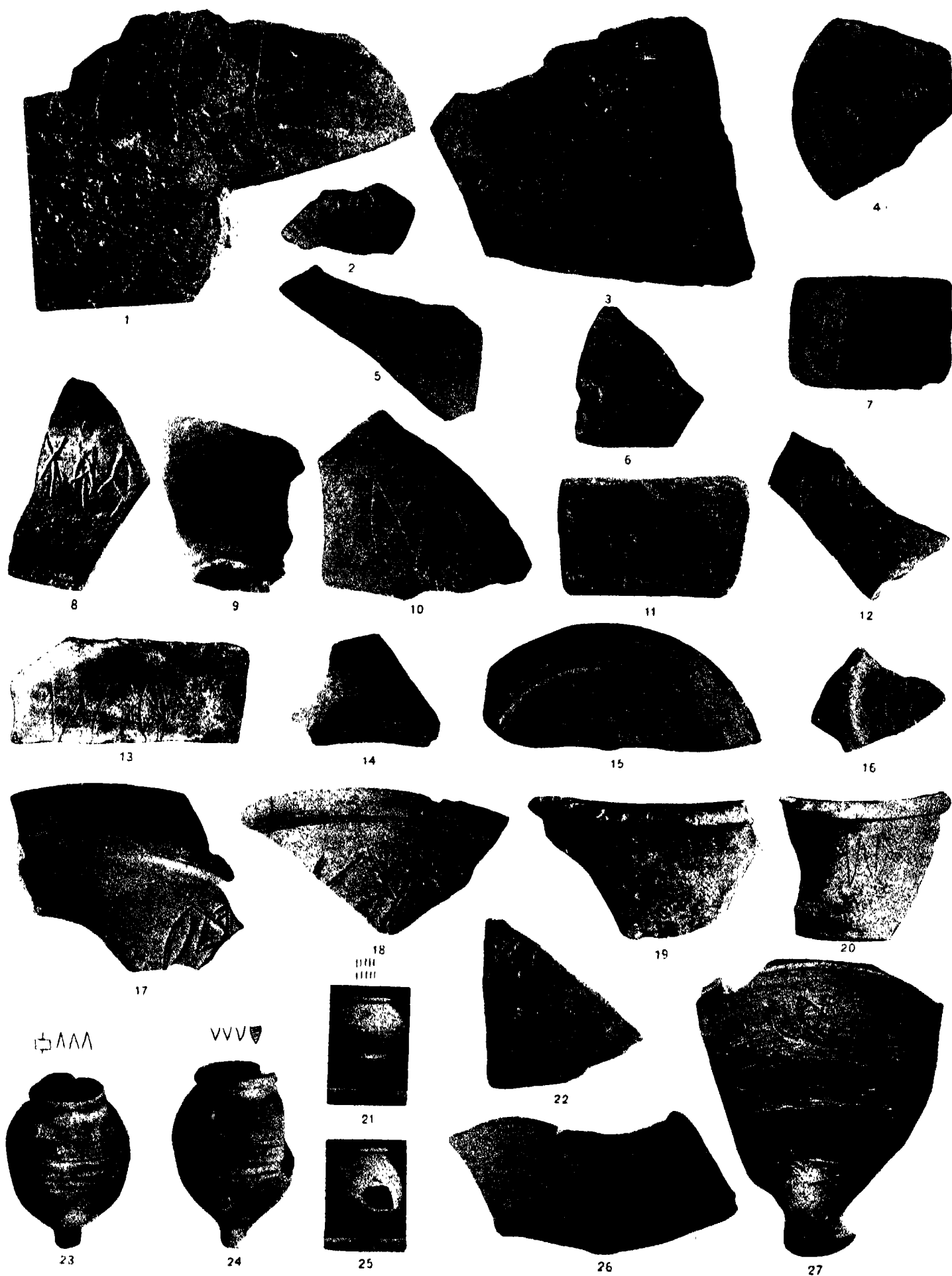
INSCRIBED POTTERY.

INSCRIBED POTTERY AND THREE INSCRIBED FRAGMENTS OF STONE.

INSCRIBED POTTERY.

Sign No.	Seal Nos.
409.	11392, 5211
410	12493, 3758
411	A-263
412	2430
413	10929
414	J-359, 7411, 2785
415	A(e)279
416	4051
417	J-466
418	12576
419	3644, 11333, 10242
420	11390, 12461
421	10830
422	8650(b), 116
423	4078, 11853, 4765, 12537, B-491
424	4531
425	3170
426	7384, A(e)922
427	2531
428	11377
429	1055
430	2867
431	2891
432	11379
433	9041
434	D-951
435	12416
436	12752
437	H-80, 4076, 3757, 11695
437a	G-290
+ 438	12414(e), PII-23, 5388, 5436, 3716, 10929, 94, 11705, D-38, 5399, H-160, A(e)553, A(e)922
438a	180
+ 439	398, 3725
+ 440	A(e)62, J-548
+ 441	5975, 11064, 10182, 10814(a), 1055, H-611, 12548, 12139, 12164, 2266, 11368, 2540, 649, J-273, 4179, 11850, H-441(e), 11852, J-461, 4015, A-214, 4042
441a	5219, 11849, 12377
442	J-20
443	5253
444	J-466
445	10960
446	10960
447	4531
448	12415(e)
449	B-234
450	2187

Sign Manual Ends.

INSCRIPTIONS COMMON TO HARAPPA AND MOHENJO-DARO.

Harappa Photo No. of Seal.	Inscription.	M. I. C. Photo No. of Seal.
166		287
211		168
629		366
18		5
374 *		261
286		252
246		169

* This is a Seal Impression.

+ The following signs also occur at Mohenjo-daro but are not shown separately in M. I. C.

Harappa Sign No.	Sign.	M. I. C. Photo No. of Seal.
40a		394
295a		550
383a		28
438		H150 (Pl. CXIX, under Sign No. 2.)
439		6
440		451
441		220

Signs found only at Mohenjo-daro.

Sign.	Mohenjo-daro Seal No.
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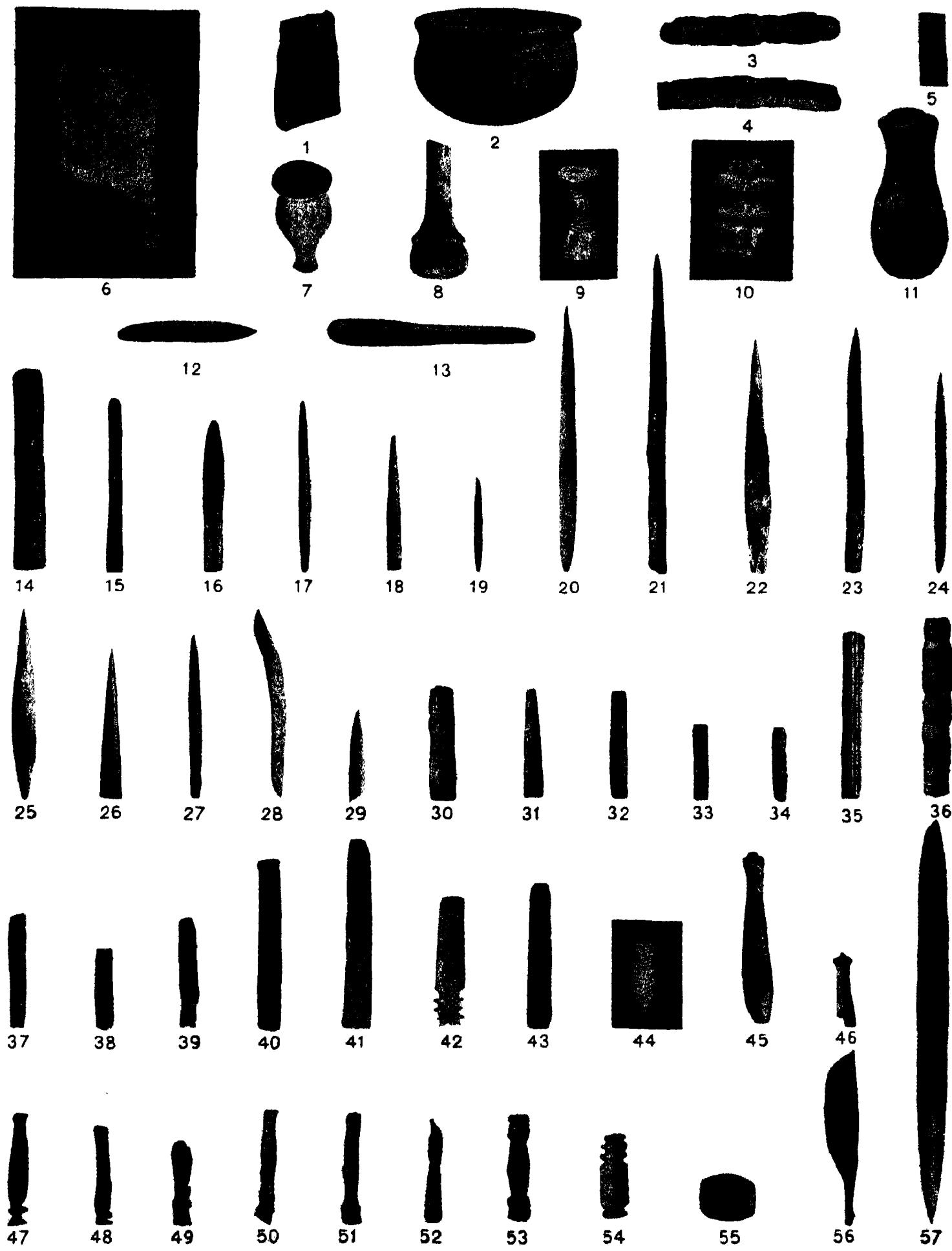
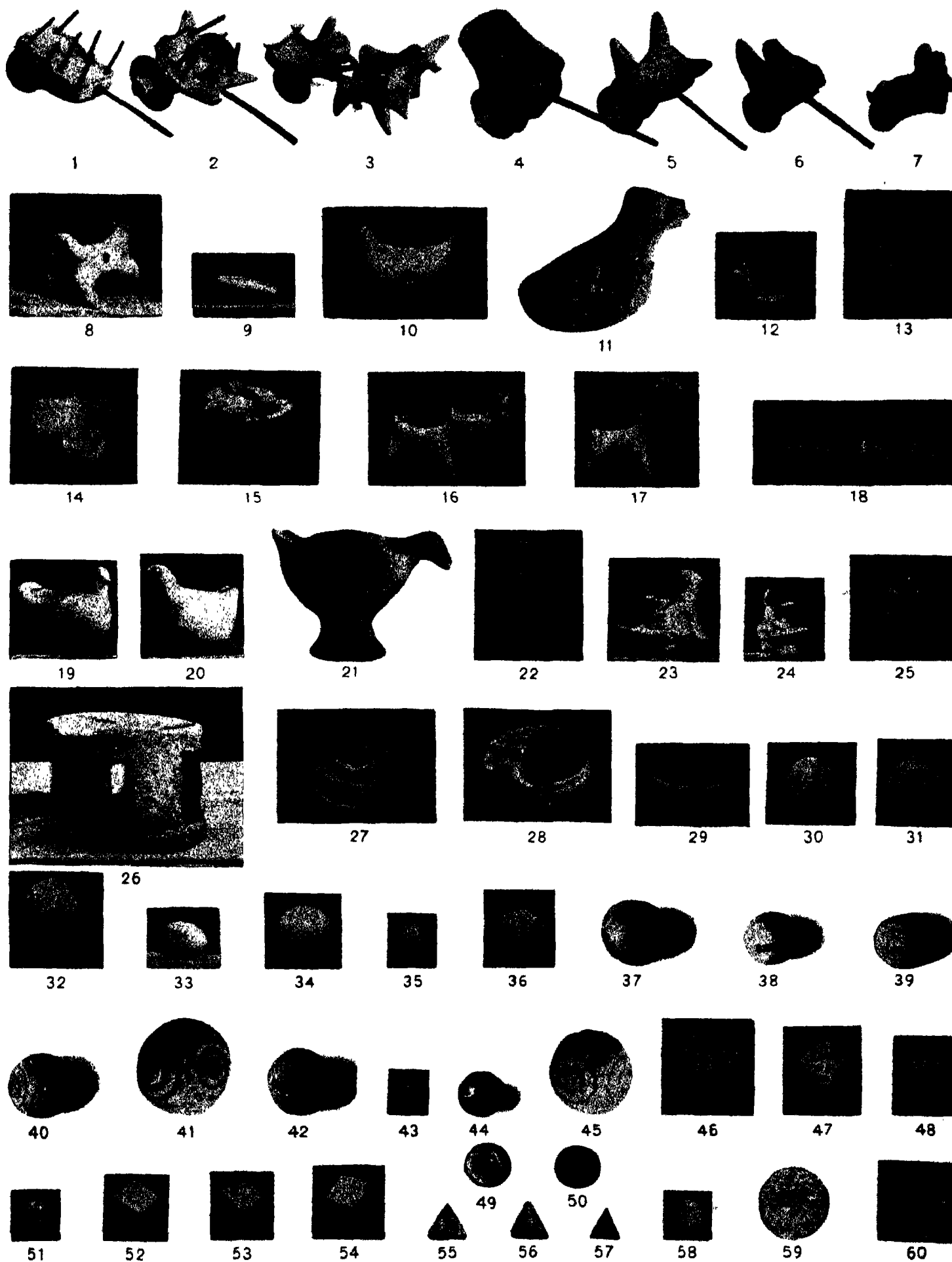
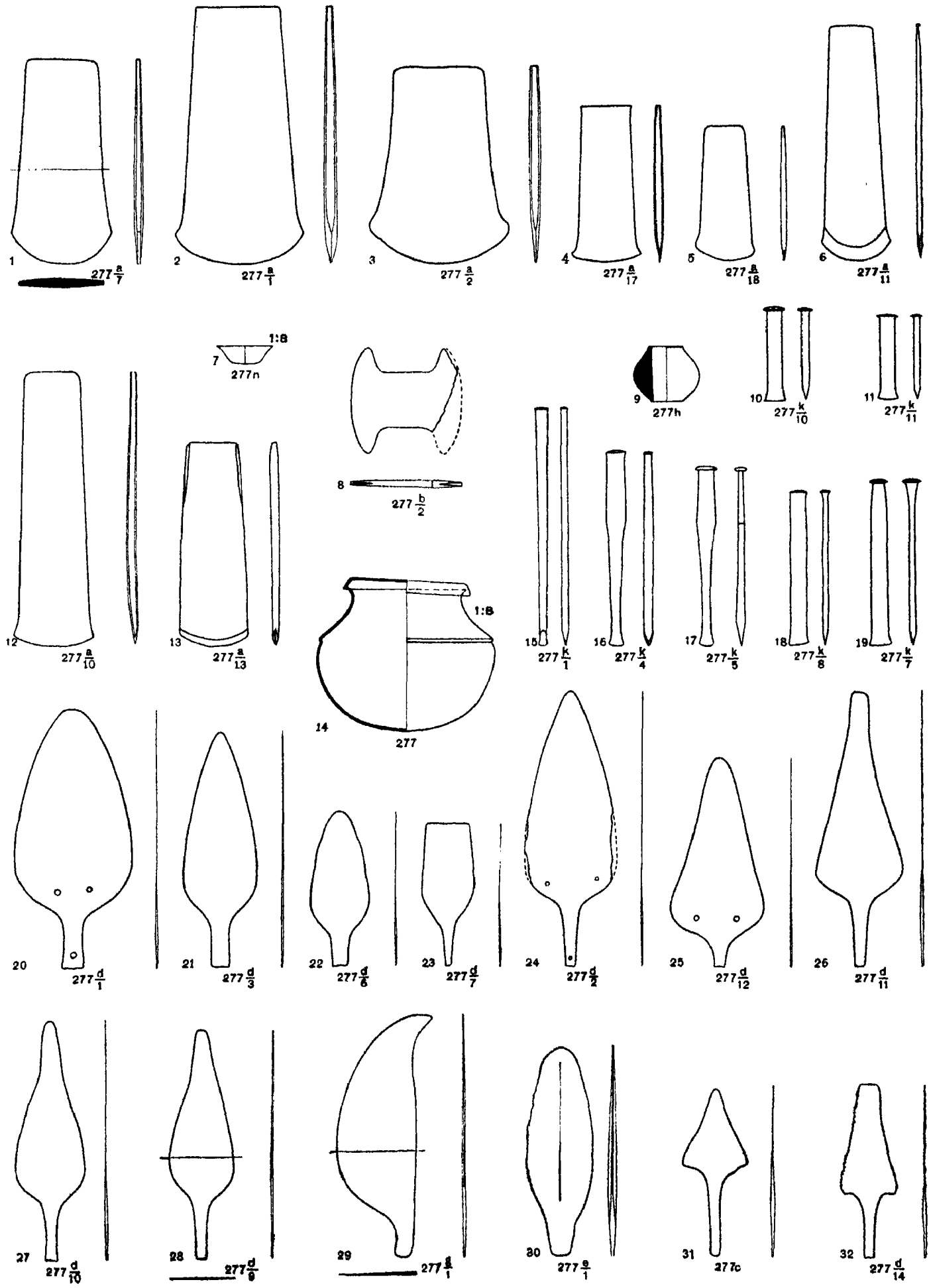
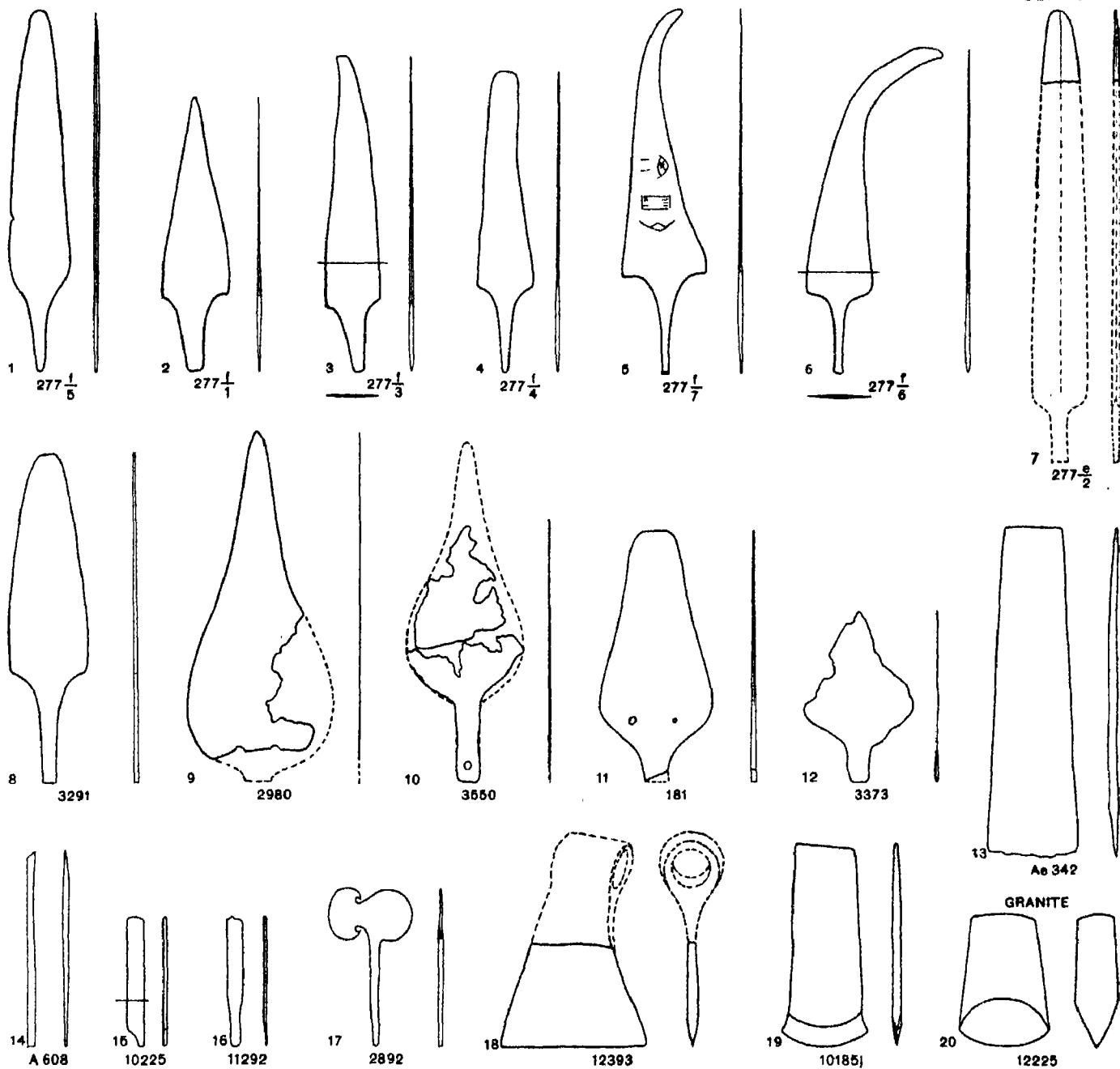
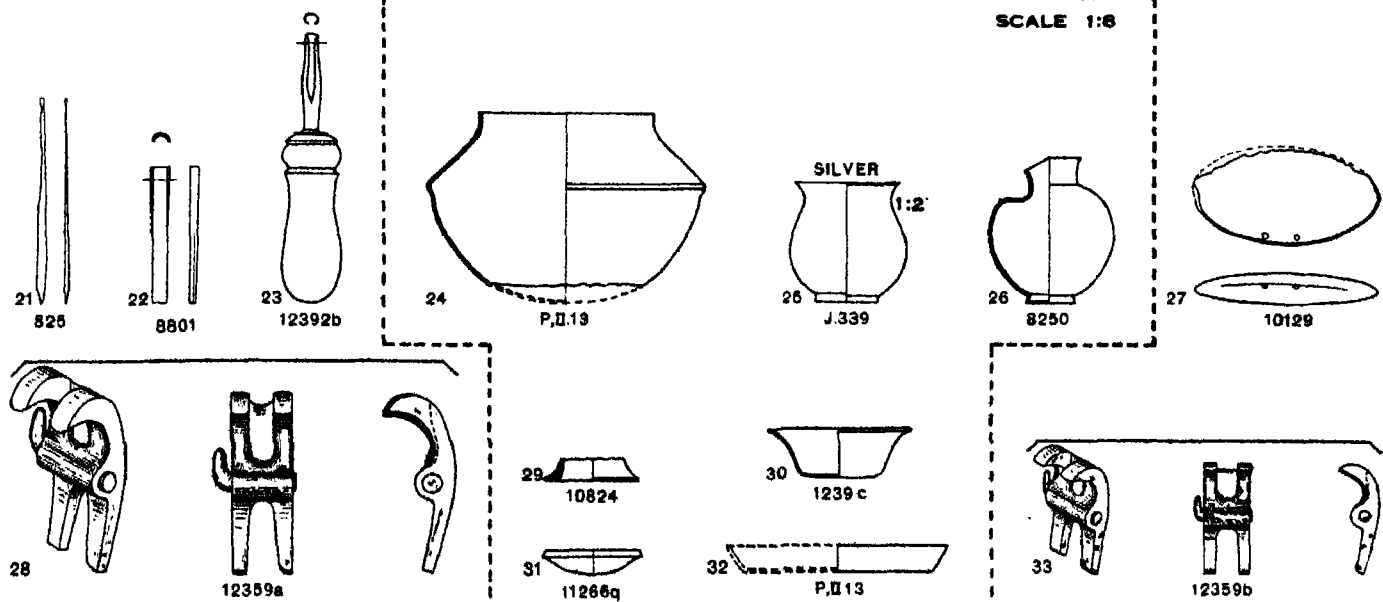
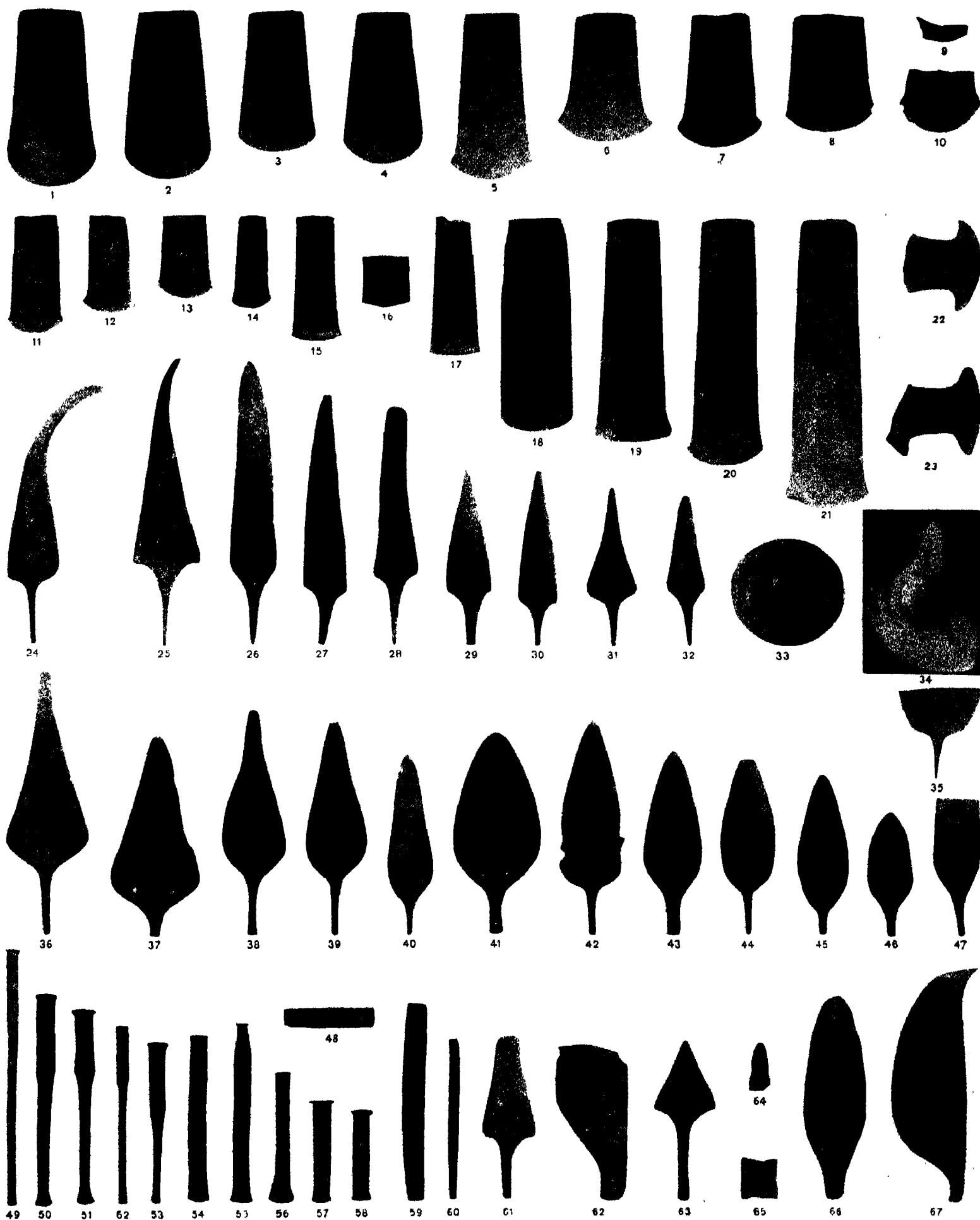
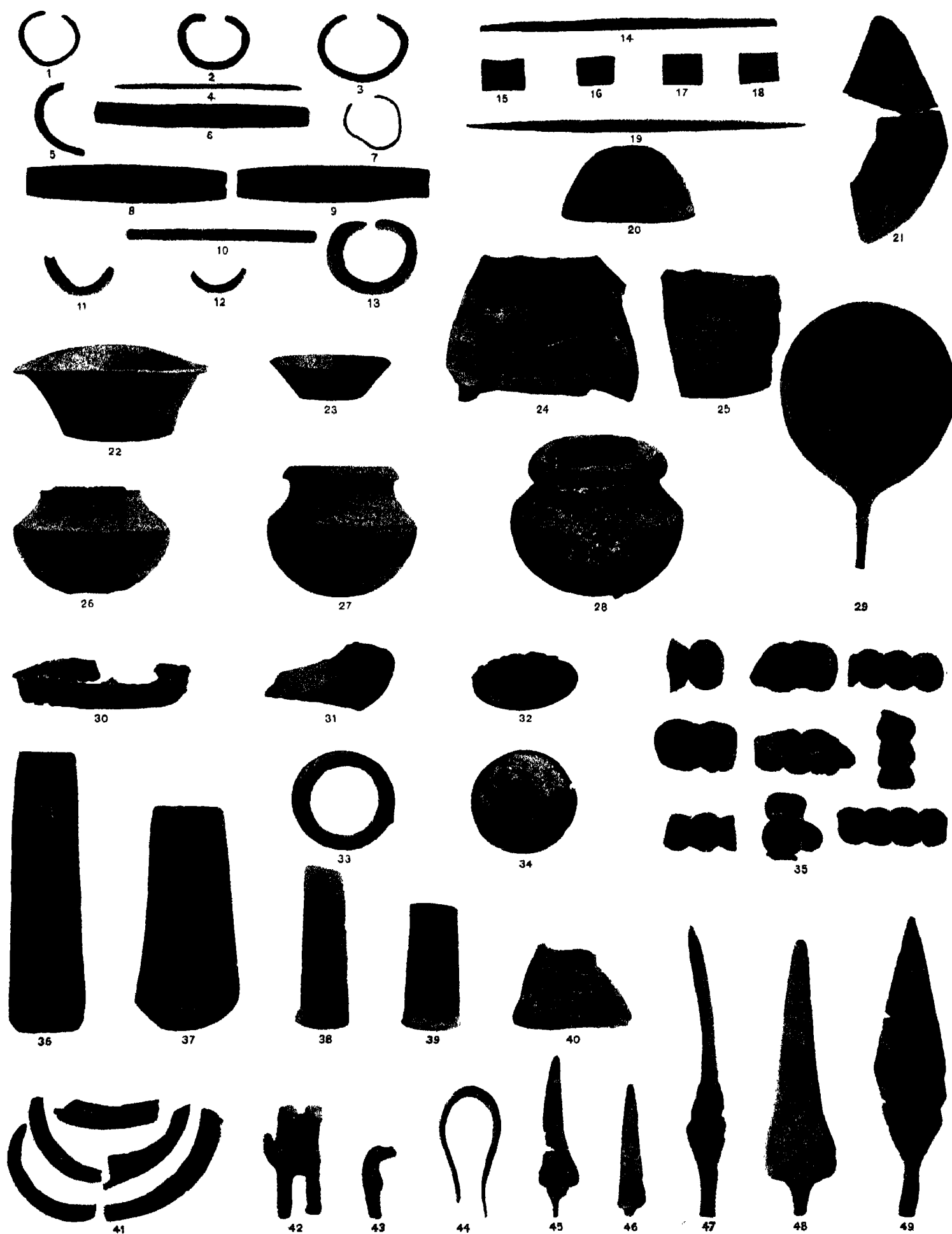
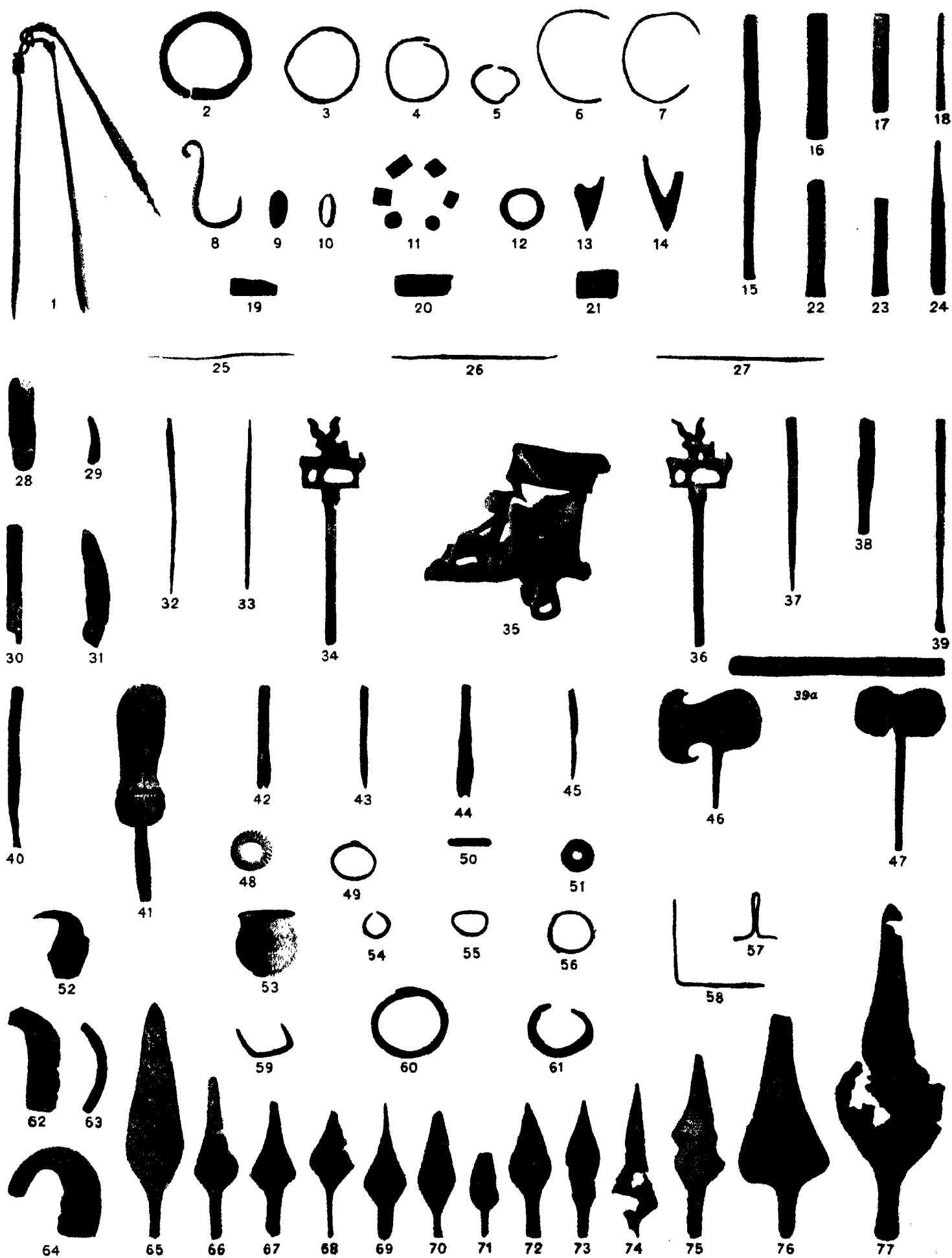
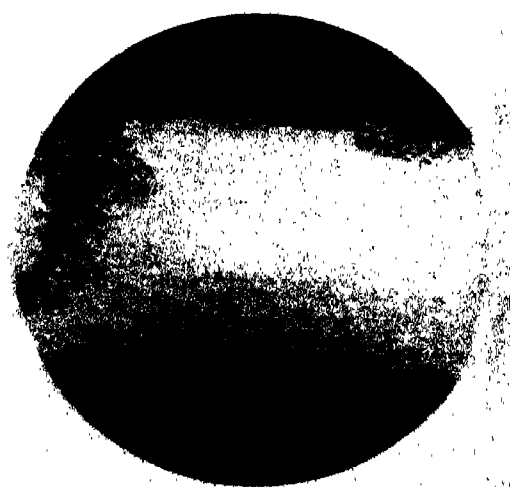
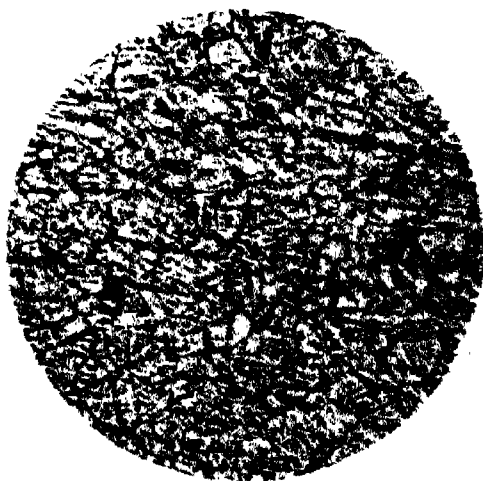
MISCELLANEOUS CULT AND HOUSEHOLD OBJECTS.

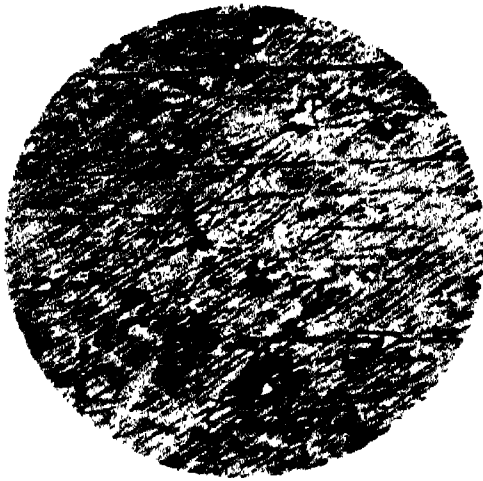
PLATE CXVIII.

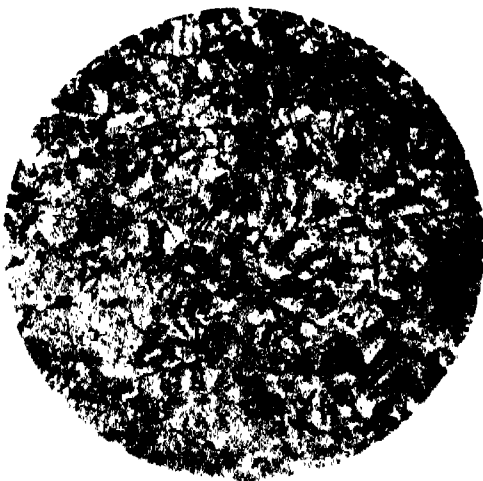
STONE AND CHERT WEIGHTS, POLISHERS, KNIVES, CORES AND AN ARROWHEAD.

BONE AND IVORY OBJECTS.

PLAYTHINGS AND GAMESMEN.

COPPER JAR No. 277 & ITS CONTENTS
SCALE 1:4
1:8
277n
277h
1:8
277
277c

COPPER & BRONZE WEAPONS, IMPLEMENTS, & UTENSILS

CONTENTS OF COPPER JAR No. 277 AND MARBLE MACEHEAD No. 573.

COPPER AND BRONZE ORNAMENTS, UTENSILS, IMPLEMENTS, WEAPONS, ETC.

COPPER, BRONZE, SILVER AND GOLD OBJECTS.

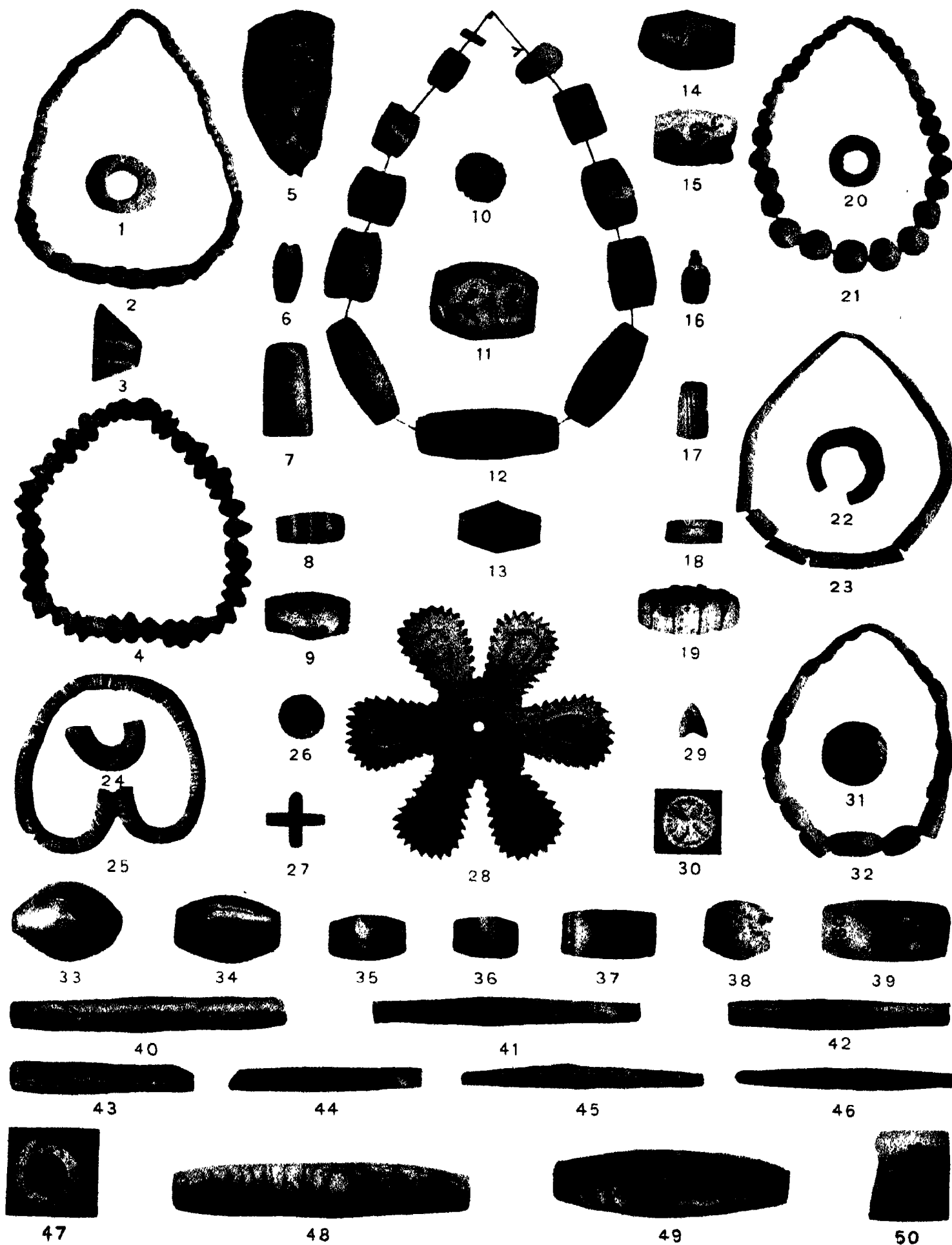
No. 1
AFTER LIGHT ETCHING MAGFN. × 200

No. 3
MAGNIFICATION × 10.

No. 5
MAGNIFICATION × 100.

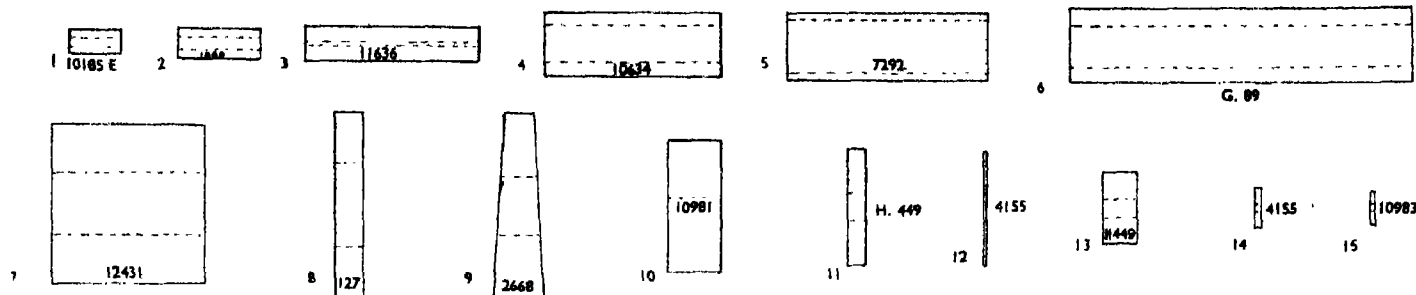
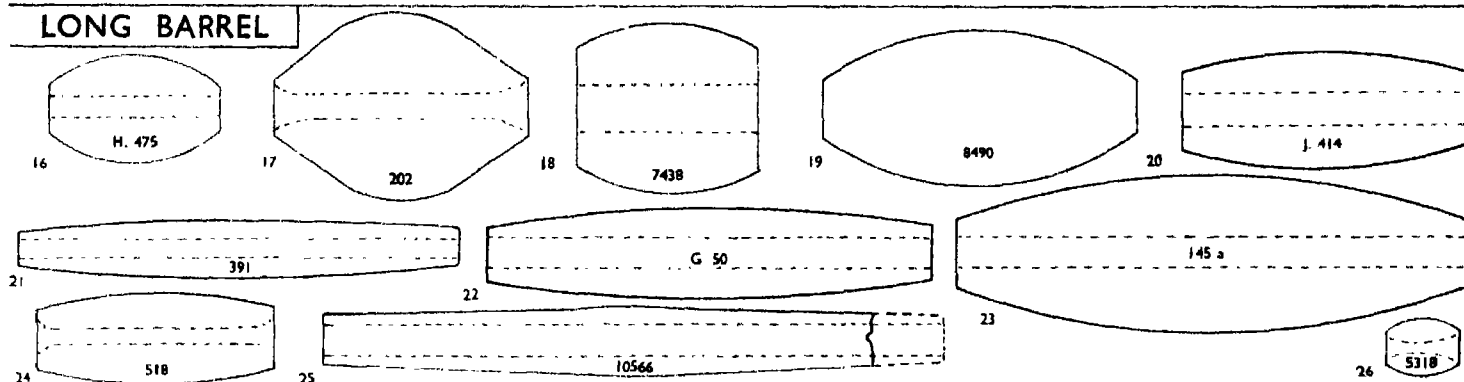
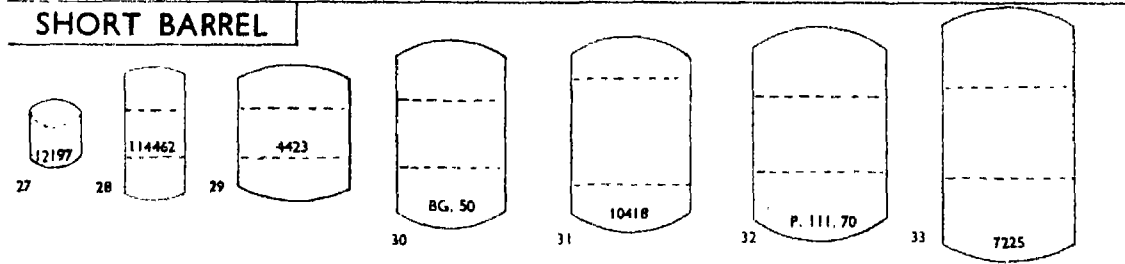
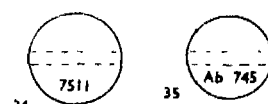
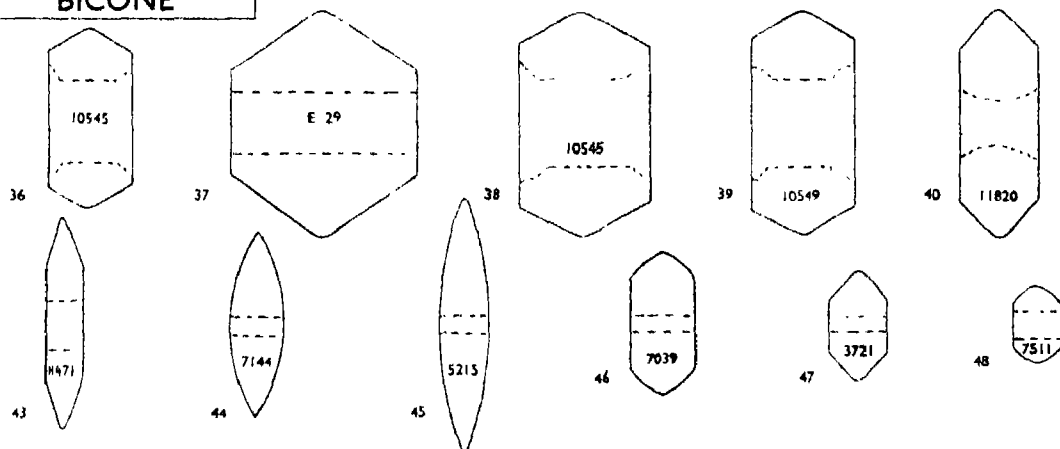
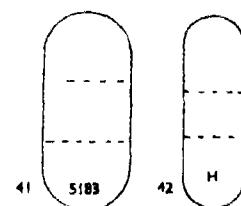
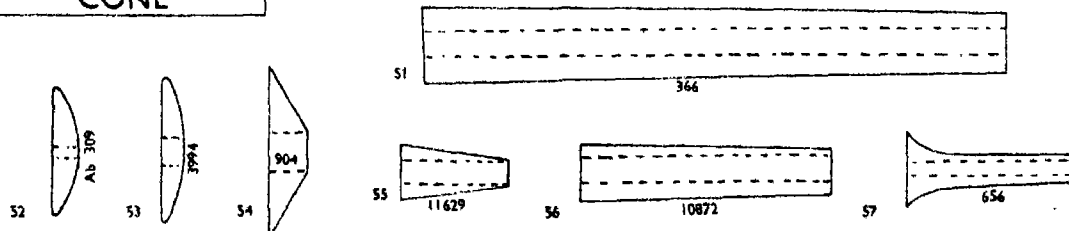
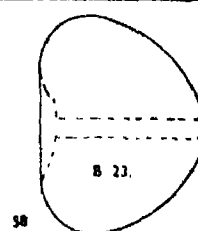
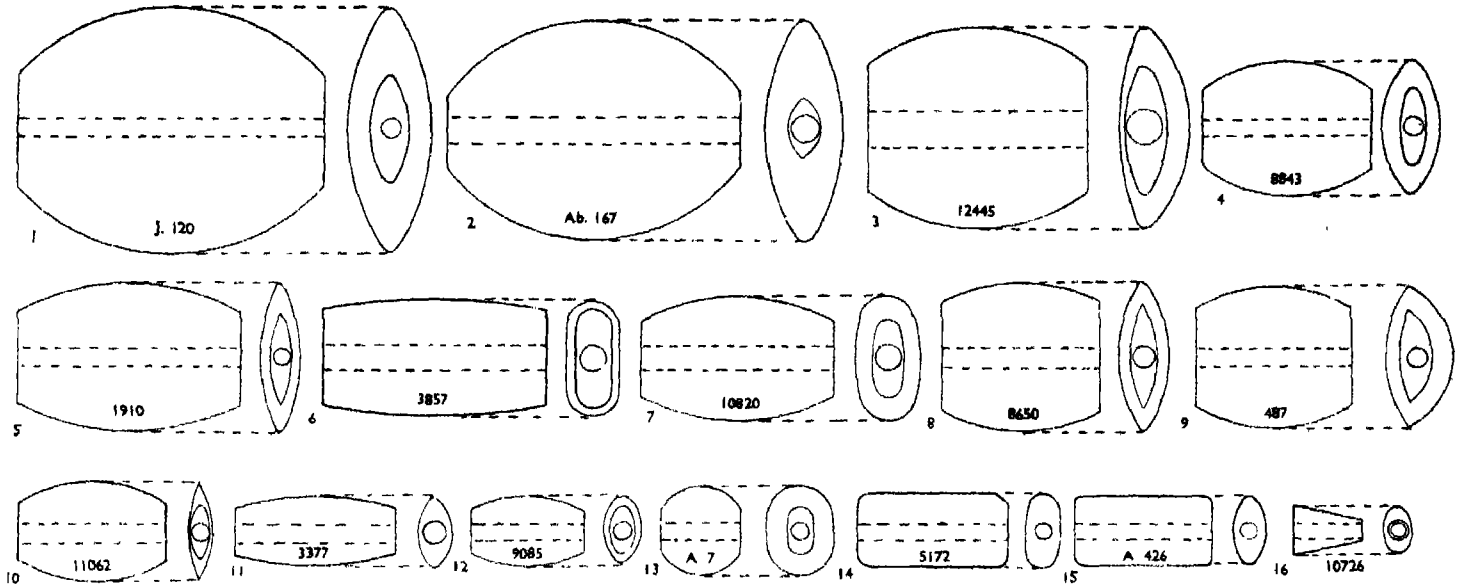
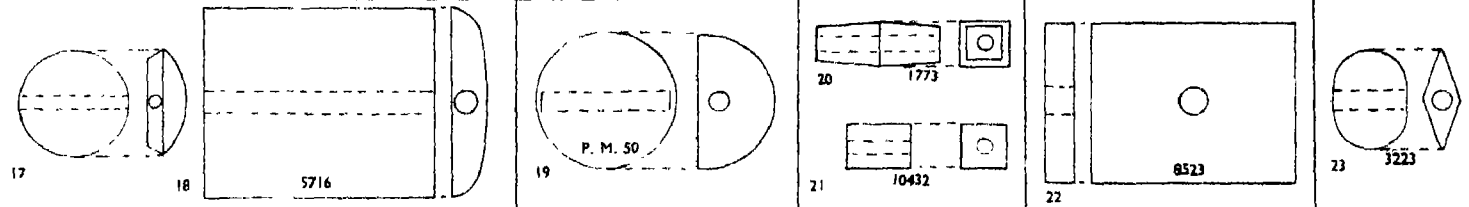
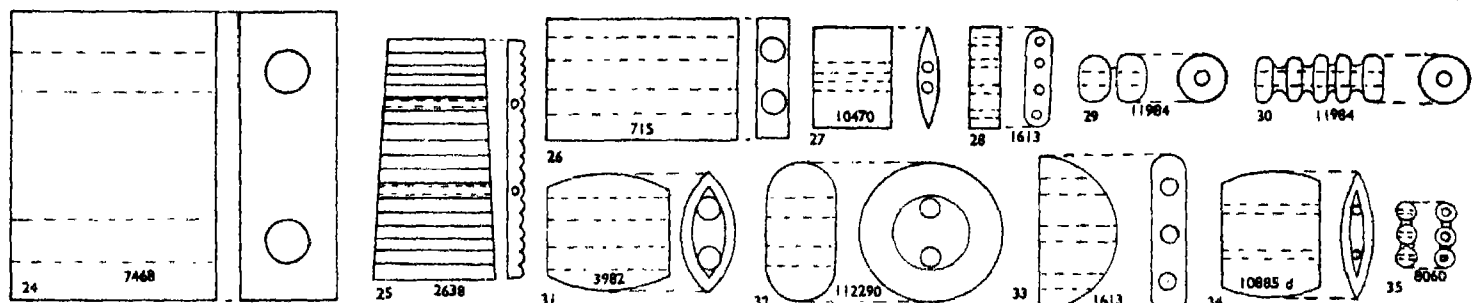
No. 7
MAGNIFICATION × 500.

MICROPHOTOGRAPHS OF SPECIMEN '×' (CHISEL).

No. 2.
AFTER LIGHT ETCHING MAGFN. × 200.

No. 4.
MAGNIFICATION × 10.

No. 6.
MAGNIFICATION × 100.

No. 8.
MAGNIFICATION × 500.

MICROPHOTOGRAPH OF SPECIMEN 277 a/21 (CELT).

MISCELLANEOUS BEADS.

GROUP I CIRCULAR TRANSVERSE SECTION
CYLINDER
LONG BARREL
SHORT BARREL
SPHERICAL
BICONE
OBLATE
CONE
PEAR SHAPE

GROUPS II & IV ELLIPTICAL AND LENTICULAR
J. 120
Ab. 167
12445
8843
1910
3857
10820
8650
487
11062
3377
9085
A 7
5172
A 426
10726
GROUP V PLANO CONVEX
5716
GROUP VI SEMICIRCULAR
P. M. 50
GROUP IX SQUARE
1773
10432
GROUP X RECTANGULAR
8523
G. XI DIAMOND
3223
GROUP XVII MULTIPLE and SPACING
7468
2638
715
10470
1613
11984
3982
112290
10885 d
8060
SPIRAL
10750
Af. 205
GROUP XXIII NOTCHED and GADROONED
1977
8508
1758
5497
GROUP XXIX EMBLEMS CROSS STEPS
12086
5377
4584
2250
GROUP XLVI EYE BEADS
7035
10885 d.
GROUP XLVII
10700
769
7097
12197
GROUP XLVIII SUNDRY-16 R
12508
4227
1613